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Barbara A. Klemstine  
Manager  
Regulatory Affairs

Tel 602/250-2031  
Fax 602/250-3999  
e-mail: bklemsti@apsc.com  
http://www.apsc.com

Mail Station 9909  
P.O. Box 53999  
Phoenix, AZ 85072-3999

RECEIVED  
ARIZONA CORPORATION  
SEP 29 4 17 PM '99  
September 29, 1999

E 01345A 970773

Ms. Deborah Scott  
Director, Utilities Division  
ARIZONA CORPORATION COMMISSION  
1200 West Washington Street  
Phoenix, Arizona 85007

RE: Compliance Rate Schedules

Dear Ms. Scott:

Pursuant to the order approved in the Open Meeting of Thursday, September 23, 1999 in Docket No. E-01345A-98-0473, et. al., enclosed please find a set of rate schedules for your review which have been revised to reflect the Company's new rate levels. These schedules will become effective October 1, 1999. Please note that the attached contract rate schedules are marked confidential and we request that you treat them in that manner. Upon your review, I would also ask that you return any confidential material to the Company.

By copy of this letter, a set of the non-confidential schedules has been filed with Docket Control.

Sets of replacement schedules for those Staff members who maintain APS Rate Manuals will be mailed during the week of October 11.

If you have any questions regarding these schedules, please call me.

Arizona Corporation Commission  
DOCKETED  
SEP 29 1999  
DOCKETED BY [Signature]

Sincerely,

Barbara A. Klemstine  
Barbara A. Klemstine  
Manager, Regulatory Affairs [Signature]

BAK/bgs  
Enclosures

cc: Lori Hoover  
Docket Control

ELECTRIC DELIVERY RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director, Pricing and Regulation

A.C.C. No. 5350  
 Tariff or Schedule No. DA-R1  
 Original Tariff  
 Effective: October 1, 1999

DIRECT ACCESS  
RESIDENTIAL SERVICE

AVAILABILITY

This rate schedule is available in all certificated retail delivery service territory served by Company and where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

This rate schedule is applicable to customers receiving electric energy on a direct access basis from any certificated Electric Service Provider (ESP) as defined in A.A.C. R14-2-1603. This rate schedule is applicable only to electric delivery required for residential purposes in individual private dwellings and in individually metered apartments when such service is supplied at one point of delivery and measured through one meter. For those dwellings and apartments where electric service has historically been measured through two meters, when one of the meters was installed pursuant to a water heating or space heating rate schedule no longer in effect, the electric service measured by such meters shall be combined for billing purposes.

This rate schedule shall become effective as defined in Company's Terms and Conditions for Direct Access (Schedule #10.)

TYPE OF SERVICE

Service shall be single phase, 60 Hertz, at one standard voltage (120/240 or 120/208 as may be selected by customer subject to availability at the customer's premise). Three phase service is furnished under the Company's Conditions Governing Extensions of Electric Distribution Lines and Services (Schedule #3). Transformation equipment is included in cost of extension. Three phase service is required for motors of an individual rated capacity of 7-1/2 HP or more.

METERING REQUIREMENTS

All customers shall comply with the terms and conditions for load profiling or hourly metering specified in Schedule #10.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

May - October Billing Cycles (Summer):

	Basic Delivery Service	Distribution	System Benefits	Competitive Transition Charge
\$/month	\$10.00			
All kWh		\$0.04158	\$0.00115	\$0.00930

November - April Billing Cycles (Winter):

	Basic Delivery Service	Distribution	System Benefits	Competitive Transition Charge
\$/month	\$10.00			
All kWh		\$0.03518	\$0.00115	\$0.00930

B. MINIMUM \$ 10.00 per month

(CONTINUED ON REVERSE SIDE)

ADJUSTMENTS

1. When Metering, Meter Reading or Consolidated Billing are provided by the Customer's ESP, the monthly bill will be credited as follows:

Meter	\$4.00 per month
Meter Reading	\$1.69 per month
Billing	\$1.33 per month

2. The monthly bill is also subject to the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric service sold and/or the volume of energy delivered or purchased for sale and/or sold hereunder.

SERVICES ACQUIRED FROM CERTIFICATED ELECTRIC SERVICE PROVIDERS

Customers served under this rate schedule are responsible for acquiring their own generation and any other required competitively supplied services from an ESP. The Company will provide and bill its transmission and ancillary services on rates approved by the Federal Energy Regulatory Commission to the Scheduling Coordinator who provides transmission service to the Customer's ESP. The Customer's ESP must submit a Direct Access Service Request pursuant to the terms and conditions in Schedule #10.

ON-SITE GENERATION TERMS AND CONDITIONS

Customers served under this rate schedule who have on-site generation connected to the Company's electrical delivery grid shall enter into an Agreement for Interconnection with the Company which shall establish all pertinent details related to interconnection and other required service standards. The Customer does not have the option to sell power and energy to the Company under this tariff.

TERMS AND CONDITIONS

This rate schedule is subject to the Company's Terms and Conditions for Standard Offer and Direct Access Services (Schedule #1) and Schedule #10. These schedules have provisions that may affect customer's monthly bill.

ELECTRIC DELIVERY RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director, Pricing and Regulation

A.C.C. No. 5351  
 Tariff or Schedule No. DA-GS1  
 Original Tariff  
 Effective: October 1, 1999

DIRECT ACCESS  
GENERAL SERVICE

AVAILABILITY

This rate schedule is available in all certificated retail delivery service territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

This rate schedule is applicable to customers receiving electric energy on a direct access basis from any certificated Electric Service Provider (ESP) as defined in A.A.C. R14-2-1603. This rate schedule is applicable to all electric service required when such service is supplied at one point of delivery and measured through one meter. For those customers whose electricity is delivered through more than one meter, service for each meter shall be computed separately under this rate unless conditions in accordance with the Company's Schedule #4 (Totalized Metering of Multiple Service Entrance Sections At a Single Premise for Standard Offer and Direct Access Service) are met. For those service locations where electric service has historically been measured through two meters, when one of the meters was installed pursuant to a water heating rate schedule no longer in effect, the electric service measured by such meters shall be combined for billing purposes.

This rate schedule shall become effective as defined in Company's Terms and Conditions for Direct Access (Schedule #10).

This rate schedule is not applicable to residential service, resale service or direct access service which qualifies for Rate Schedule DA-GS10.

TYPE OF SERVICE

Service shall be single or three phase, 60 Hertz, at one standard voltage as may be selected by customer subject to availability at the customer's premise. Three phase service is furnished under the Company's Conditions Governing Extensions of Electric Distribution Lines and Services (Schedule #3). Transformation equipment is included in cost of extension. Three phase service is not furnished for motors of an individual rated capacity of less than 7-1/2 HP, except for existing facilities or where total aggregate HP of all connected three phase motors exceed 12 HP. Three phase service is required for motors of an individual rated capacity of more than 7-1/2 HP.

METERING REQUIREMENTS

All customers shall comply with the terms and conditions for load profiling or hourly metering specified in the Company's Schedule #10.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

June - October Billing Cycles (Summer):

	Basic Delivery Service	Distribution	System Benefits	Competitive Transition Charge
\$/month	\$12.50			
Per kW over 5		\$0.721		
Per kWh for the first 2,500 kWh		\$0.04255		
Per kWh for the next 100 kWh per kW over 5		\$0.04255		
Per kWh for the next 42,000 kWh		\$0.02901		
Per kWh for all additional kWh		\$0.01811		
Per all kWh			\$0.00115	
Per all kW				\$2.43

(CONTINUED ON REVERSE SIDE)

A. RATE (continued)

November – May Billing Cycles (Winter):

	Basic Delivery Service	Distribution	System Benefits	Competitive Transition Charge
\$/month	\$12.50			
Per kW over 5		\$0.652		
Per kWh for the first 2,500 kWh		\$0.03827		
Per kWh for the next 100 kWh per kW over 5		\$0.03827		
Per kWh for the next 42,000 kWh		\$0.02600		
Per kWh for all additional kWh		\$0.01614		
Per all kWh			\$0.00115	
Per all kW				\$2.43

PRIMARY AND TRANSMISSION LEVEL SERVICE:

1. For customers served at primary voltage (12.5kV to below 69kV), the Distribution charge will be discounted by 11.6%.
2. For customers served at transmission voltage (69kV or higher), the Distribution charge will be discounted 52.6%.
3. Pursuant to A.A.C. R14-2-1612.K.11, the Company shall retain ownership of Current Transformers (CT's) and Potential Transformers (PT's) for those customers taking service at voltage levels of more than 25kV. For customers whose metering services are provided by an ESP, a monthly facilities charge will be billed, in addition to all other applicable charges shown above, as determined in the service contract based upon the Company's cost of CT and PT ownership, maintenance and operation.

DETERMINATION OF KW

The kW used for billing purposes shall be the average kW supplied during the 15-minute period of maximum use during the month, as determined from readings of the delivery meter.

B. MINIMUM

\$12.50 plus \$1.74 for each kW in excess of five of either the highest kW established during the 12 months ending with the current month or the minimum kW specified in the agreement for service, whichever is the greater.

ADJUSTMENTS

1. When Metering, Meter Reading or Consolidated Billing are provided by the Customer's ESP, the monthly bill will be credited as follows:
 

Meter	\$7.62 per month
Meter Reading	\$1.69 per month
Billing	\$1.33 per month
2. The monthly bill is also subject to the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric service sold and/or the volume of energy delivered or purchased for sale and/or sold hereunder.

SERVICES ACQUIRED FROM CERTIFICATED ELECTRIC SERVICE PROVIDERS

Customers served under this rate schedule are responsible for acquiring their own generation and any other required competitively supplied services from an ESP or under the Company's Open Access Transmission Tariff. The Company will provide and bill its transmission and ancillary services on rates approved by the Federal Energy Regulatory Commission to the Scheduling Coordinator who provides transmission service to the Customer's ESP. The Customer's ESP must submit a Direct Access Service Request pursuant to the terms and conditions in Schedule #10.

(CONTINUED ON PAGE 3)

ON-SITE GENERATION TERMS AND CONDITIONS

Customers served under this rate schedule who have on-site generation connected to the Company's electrical delivery grid shall enter into an Agreement for Interconnection with the Company which shall establish all pertinent details related to interconnection and other required service standards. The Customer does not have the option to sell power and energy to the Company under this tariff.

CONTRACT PERIOD

0 – 1,999 kW:	As provided in Company's standard agreement for service.
2,000 kW and above:	Three (3) years, or longer, at Company's option for initial period when construction is required. One (1) year, or longer, at Company's option when construction is not required.

TERMS AND CONDITIONS

This rate schedule is subject to Company's Terms and Conditions for Standard Offer and Direct Access Service (Schedule #1) and the Company's Schedule #10. These Schedules have provisions that may affect customer's monthly bill.

ELECTRIC DELIVERY RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director, Pricing and Regulation

A.C.C. No. 5352  
 Tariff or Schedule No. DA-GS10  
 Original Tariff  
 Effective: October 1, 1999

DIRECT ACCESS  
EXTRA LARGE GENERAL SERVICE

AVAILABILITY

This rate schedule is available in all certificated retail delivery service territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

This rate schedule is applicable to customers receiving electric energy on a direct access basis from any certificated Electric Service Provider (ESP) as defined in A.A.C. R14-2-1603. This rate schedule is applicable only to customers whose monthly maximum demand is 3,000 kW or more for three (3) consecutive months in any continuous twelve (12) month period ending with the current month. Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer contract. For those customers whose electricity is delivered through more than one meter, service for each meter shall be computed separately under this rate unless conditions in accordance with the Company's Schedule #4 (Totalized Metering of Multiple Service Entrance Sections At a Single Premise for Standard Offer and Direct Access Service) are met.

This rate schedule is not applicable to resale service.

This rate schedule shall become effective as defined in Company's Terms and Conditions for Direct Access (Schedule #10).

TYPE OF SERVICE

Service shall be three phase, 60 Hertz, at Company's standard voltages that are available within the vicinity of customer's premise.

METERING REQUIREMENTS

All customers shall comply with the terms and conditions for hourly metering specified in Schedule #10.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

	Basic Delivery Service	Distribution	System Benefits	Competitive Transition Charge
\$/month	\$2,430.00			
per kW		\$3.53		\$2.82
per kWh		\$0.00999	\$0.00115	

PRIMARY AND TRANSMISSION LEVEL SERVICE:

1. For customers served at primary voltage (12.5kV to below 69kV), the Distribution charge will be discounted by 4.8%.
2. For customers served at transmission voltage (69kV or higher), the Distribution charge will be discounted 36.7%.
3. Pursuant to A.A.C. R14-2-1612.K.11, the Company shall retain ownership of Current Transformers (CT's) and Potential Transformers (PT's) for those customers taking service at voltage levels of more than 25 kV. For customers whose metering services are provided by an ESP, a monthly facilities charge will be billed, in addition to all other applicable charges shown above, as determined in the service contract based upon the Company's cost of CT and PT ownership, maintenance and operation.

DETERMINATION OF KW

The kW used for billing purposes shall be the greater of:

1. The kW used for billing purposes shall be the average kW supplied during the 15-minute period (or other period as specified by individual customer's contract) of maximum use during the month, as determined from readings of the delivery meter.
2. The minimum kW specified in the agreement for service or individual customer contract.

B. MINIMUM

\$2,430.00 per month plus \$1.74 per kW per month.

ADJUSTMENTS

1. When Metering, Meter Reading or Consolidated Billing are provided by the Customer's ESP, the monthly bill will be credited as follows:

Meter	\$154.15 per month
Meter Reading	\$1.69 per month
Billing	\$1.33 per month
2. The monthly bill is also subject to the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric service sold and/or the volume of energy delivered or purchased for sale and/or sold hereunder.

SERVICES ACQUIRED FROM CERTIFICATED ELECTRIC SERVICE PROVIDERS

Customers served under this rate schedule are responsible for acquiring their own generation and any other required competitively supplied services from an ESP. The Company will provide and bill its transmission and ancillary services on rates approved by the Federal Energy Regulatory Commission to the Scheduling Coordinator who provides transmission service to the Customer's ESP. The Customer's ESP must submit a Direct Access Service Request pursuant to the terms and conditions in Schedule #10.

ON-SITE GENERATION TERMS AND CONDITIONS

Customers served under this rate schedule who have on-site generation connected to the Company's electrical delivery grid shall enter into an Agreement for Interconnection with the Company which shall establish all pertinent details related to interconnection and other required service standards. The Customer does not have the option to sell power and energy to the Company under this tariff.

CONTRACT PERIOD

For service locations in:

- a) Isolated Areas: Ten (10) years, or longer, at Company's option, with standard seven (7) year termination period.
- b) Other Areas: Three (3) years, or longer, at Company's option.

TERMS AND CONDITIONS

This rate schedule is subject to Company's Terms and Conditions for Standard Offer and Direct Access Service (Schedule #1) and the Company's Schedule #10. These schedules have provisions that may affect customer's monthly bill.

ELECTRIC DELIVERY RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director, Pricing and Regulation

A.C.C. No. 5395  
 Tariff or Schedule No. DA-GS11  
 Original Tariff  
 Effective: October 1, 1999

DIRECT ACCESS  
RALSTON PURINA

AVAILABILITY

This rate schedule is available in all certificated retail delivery service territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

This rate schedule is applicable only to Ralston Purina (Site #863970289) when it receives electric energy on a direct access basis from any certificated Electric Service Provider (ESP) as defined in A.A.C. R14-2-1603. Service must be supplied as specified by individual customer contract and the Company's Schedule #4 (Totalized Metering of Multiple Service Entrance Sections At a Single Premise for Standard Offer and Direct Access Service).

This rate schedule is not applicable to resale service.

This rate schedule shall become effective as defined in Company's Terms and Conditions for Direct Access (Schedule #10).

TYPE OF SERVICE

Service shall be three phase, 60 Hertz, at 12.5 kV.

METERING REQUIREMENTS

Customer shall comply with the terms and conditions for hourly metering specified in Schedule #10.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

	Basic Delivery Service	Distribution	System Benefits	Competitive Transition Charge
\$/month	\$2,430.00			
per kW		\$2.58		\$1.86
per kWh		\$0.00732	\$0.00115	

DETERMINATION OF KW

The kW used for billing purposes shall be the greater of:

- The kW used for billing purposes shall be the average kW supplied during the 15-minute period (or other period as specified by individual customer's contract) of maximum use during the month, as determined from readings of the delivery meter.
- The minimum kW specified in the agreement for service or individual customer contract.

B. MINIMUM

\$2,430.00 per month plus \$1.74 per kW per month.

ADJUSTMENTS

- When Metering, Meter Reading or Consolidated Billing are provided by the Customer's ESP, the monthly bill will be credited as follows:
 

Meter	\$154.15 per month
Meter Reading	\$1.69 per month
Billing	\$1.33 per month
- The monthly bill is also subject to the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric service sold and/or the volume of energy delivered or purchased for sale and/or sold hereunder.

(CONTINUED ON REVERSE SIDE)

SERVICES ACQUIRED FROM CERTIFICATED ELECTRIC SERVICE PROVIDERS

Customer is responsible for acquiring its own generation and any other required competitively supplied services from an ESP. The Company will provide and bill its transmission and ancillary services on rates approved by the Federal Energy Regulatory Commission to the Scheduling Coordinator who provides transmission service to the Customer's ESP. The Customer's ESP must submit a Direct Access Service Request pursuant to the terms and conditions in Schedule #10.

ON-SITE GENERATION TERMS AND CONDITIONS

If Customer has on-site generation connected to the Company's electrical delivery grid, it shall enter into an Agreement for Interconnection with the Company which shall establish all pertinent details related to interconnection and other required service standards. The Customer does not have the option to sell power and energy to the Company under this tariff.

TERMS AND CONDITIONS

This rate schedule is subject to Company's Terms and Conditions for Standard Offer and Direct Access Service (Schedule #1) and the Company's Schedule #10. These schedules have provisions that may affect customer's monthly bill.

ELECTRIC DELIVERY RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director, Pricing and Regulation

A.C.C. No. 5396  
 Tariff or Schedule No. DA-GS12  
 Original Tariff  
 Effective: October 1, 1999

DIRECT ACCESS  
BHP COPPER

AVAILABILITY

This rate schedule is available in all certificated retail delivery service territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

This rate schedule is applicable only to BHP Copper (Site #774932285) when it receives electric energy on a direct access basis from any certificated Electric Service Provider (ESP) as defined in A.A.C. R14-2-1603. Service must be supplied as specified by individual customer contract and the Company's Schedule #4 (Totalized Metering of Multiple Service Entrance Sections At a Single Premise for Standard Offer and Direct Access Service).

This rate schedule is not applicable to resale service.

This rate schedule shall become effective as defined in Company's Terms and Conditions for Direct Access (Schedule #10).

TYPE OF SERVICE

Service shall be three phase, 60 Hertz, at 12.5 kV or higher.

METERING REQUIREMENTS

Customer shall comply with the terms and conditions for hourly metering specified in Schedule #10.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

	Basic Delivery Service	Distribution at Primary Voltage	Distribution at Transmission Voltage	System Benefits	Competitive Transition Charge
\$/month	\$2,430.00				
per kW		\$2.35	\$1.22		\$1.54
per kWh		\$0.00665	\$0.00346	\$0.00115	

PRIMARY AND TRANSMISSION LEVEL SERVICE:

Pursuant to A.A.C. R14-2-1612.K.11, the Company shall retain ownership of Current Transformers (CT's) and Potential Transformers (PT's) for those customers taking service at voltage levels of more than 25 kV. For customers whose metering services are provided by an ESP, a monthly facilities charge will be billed, in addition to all other applicable charges shown above, as determined in the service contract based upon the Company's cost of CT and PT ownership, maintenance and operation.

DETERMINATION OF KW

The kW used for billing purposes shall be the greater of:

1. The kW used for billing purposes shall be the average kW supplied during the 30-minute period (or other period as specified by individual customer's contract) of maximum use during the month, as determined from readings of the delivery meter.
2. The minimum kW specified in the agreement for service or individual customer contract.

B. MINIMUM

\$2,430.00 per month plus \$1.74 per kW per month.

(CONTINUED ON REVERSE SIDE)

ADJUSTMENTS

1. When Metering, Meter Reading or Consolidated Billing are provided by the Customer's ESP, the monthly bill will be credited as follows:

Meter	\$154.15 per month
Meter Reading	\$1.69 per month
Billing	\$1.33 per month
  
2. The monthly bill is also subject to the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric service sold and/or the volume of energy delivered or purchased for sale and/or sold hereunder.

SERVICES ACQUIRED FROM CERTIFICATED ELECTRIC SERVICE PROVIDERS

Customer is responsible for acquiring its own generation and any other required competitively supplied services from an ESP. The Company will provide and bill its transmission and ancillary services on rates approved by the Federal Energy Regulatory Commission to the Scheduling Coordinator who provides transmission service to the Customer's ESP. The Customer's ESP must submit a Direct Access Service Request pursuant to the terms and conditions in Schedule #10.

ON-SITE GENERATION TERMS AND CONDITIONS

If Customer has on-site generation connected to the Company's electrical delivery grid, it shall enter into an Agreement for Interconnection with the Company which shall establish all pertinent details related to interconnection and other required service standards. The Customer does not have the option to sell power and energy to the Company under this tariff.

TERMS AND CONDITIONS

This rate schedule is subject to Company's Terms and Conditions for Standard Offer and Direct Access Service (Schedule #1) and the Company's Schedule #10. These schedules have provisions that may affect customer's monthly bill.

ELECTRIC DELIVERY RATES

ARIZONA PUBLIC SERVICE COMPANY  
Phoenix, Arizona  
Filed by: Alan Propper  
Title: Director, Pricing and Regulation

A.C.C. No. 5397  
Tariff or Schedule No. DA-GS13  
Original Tariff  
Effective: October 1, 1999

DIRECT ACCESS  
CYPRUS BAGDAD

AVAILABILITY

This rate schedule is available in all certificated retail delivery service territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

This rate schedule is applicable only to Cyprus Bagdad (Site #120932284) when it receives electric energy on a direct access basis from any certificated Electric Service Provider (ESP) as defined in A.A.C. R14-2-1603. Service must be supplied as specified by individual customer contract and the Company's Schedule #4 (Totalized Metering of Multiple Service Entrance Sections At a Single Premise for Standard Offer and Direct Access Service).

This rate schedule is not applicable to resale service.

This rate schedule shall become effective as defined in Company's Terms and Conditions for Direct Access (Schedule #10).

TYPE OF SERVICE

Service shall be three phase, 60 Hertz, at 115 kV or higher.

METERING REQUIREMENTS

Customer shall comply with the terms and conditions for hourly metering specified in Schedule #10.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

	Basic Delivery Service	Distribution	System Benefits	Competitive Transition Charge
\$/month	\$2,430.00			
per kW		\$1.05		\$1.34
per kWh		\$0.00298	\$0.00115	

PRIMARY AND TRANSMISSION LEVEL SERVICE:

Pursuant to A.A.C. R14-2-1612.K.11, the Company shall retain ownership of Current Transformers (CT's) and Potential Transformers (PT's) for those customers taking service at voltage levels of more than 25 kV. For customers whose metering services are provided by an ESP, a monthly facilities charge will be billed, in addition to all other applicable charges shown above, as determined in the service contract based upon the Company's cost of CT and PT ownership, maintenance and operation.

DETERMINATION OF KW

The kW used for billing purposes shall be the greater of:

1. The kW used for billing purposes shall be the average kW supplied during the 30-minute period (or other period as specified by individual customer's contract) of maximum use during the month, as determined from readings of the delivery meter.
2. The minimum kW specified in the agreement for service or individual customer contract.

B. MINIMUM

\$2,430.00 per month plus \$1.74 per kW per month, until June 30, 2004 when this minimum will no longer be applicable.

(CONTINUED ON REVERSE SIDE)

ADJUSTMENTS

1. When Metering, Meter Reading or Consolidated Billing are provided by the Customer's ESP, the monthly bill will be credited as follows:

Meter	\$154.15 per month
Meter Reading	\$1.69 per month
Billing	\$1.33 per month
2. The monthly bill is also subject to the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric service sold and/or the volume of energy delivered or purchased for sale and/or sold hereunder.

SERVICES ACQUIRED FROM CERTIFICATED ELECTRIC SERVICE PROVIDERS

Customer is responsible for acquiring its own generation and any other required competitively supplied services from an ESP. The Company will provide and bill its transmission and ancillary services on rates approved by the Federal Energy Regulatory Commission to the Scheduling Coordinator who provides transmission service to the Customer's ESP. The Customer's ESP must submit a Direct Access Service Request pursuant to the terms and conditions in Schedule #10.

ON-SITE GENERATION TERMS AND CONDITIONS

If Customer has on-site generation connected to the Company's electrical delivery grid, it shall enter into an Agreement for Interconnection with the Company which shall establish all pertinent details related to interconnection and other required service standards. The Customer does not have the option to sell power and energy to the Company under this tariff.

TERMS AND CONDITIONS

This rate schedule is subject to Company's Terms and Conditions for Standard Offer and Direct Access Service (Schedule #1) and the Company's Schedule #10. These schedules have provisions that may affect customer's monthly bill.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: January 1, 1969

A.C.C. No. 5361  
 Cancelling A.C.C. No. 5317  
 Tariff or Schedule No. E-10  
 Revision No. 32  
 Effective: October 1, 1999

RESIDENTIAL SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service, except as stated below, required for residential purposes in individual private dwellings and in individually metered apartments when such service is supplied at one premise through one point of delivery and measured through one meter. For those dwellings and apartments where electric service has historically been measured through two meters, when one of the meters was installed pursuant to a water heating or space heating rate schedule no longer in effect, the electric service measured by such meters shall be combined for billing purposes.

Applicable only to those customers being served on Company's Rate Schedule E-10 prior to December 6, 1991.

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Single phase, 60 Hertz, at one standard voltage (120/240 or 120/208 as may be selected by customer subject to availability at the customer's premise). Three phase service is furnished under the Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is required for motors of an individual rated capacity of 7-1/2 HP or more.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>		
	May-October Billing Cycles (Summer)	\$ 7.50 0.07150 0.09833 0.10102	Basic Service Charge, plus per kWh first 400 kWh per kWh next 400 kWh per kWh all additional kWh
	November-April Billing Cycles (Winter)	\$ 7.50 0.08143	Basic Service Charge, plus per kWh for all kWh
B.	<u>MINIMUM</u>	\$ 7.50	per month

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

As provided in Company's standard agreement for service.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: July 1, 1983

A.C.C. No. 5362  
 Cancelling A.C.C. No. 5318  
 Tariff or Schedule No. E-12  
 Revision No. 16  
 Effective: October 1, 1999

RESIDENTIAL SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service, except as stated below, required for residential purposes in individual private dwellings and in individually metered apartments when such service is supplied at one premise through one point of delivery and measured through one meter. For those dwellings and apartments where electric service has historically been measured through two meters, when one of the meters was installed pursuant to a water heating or space heating rate schedule no longer in effect, the electric service measured by such meters shall be combined for billing purposes.

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Single phase, 60 Hertz, at one standard voltage (120/240 or 120/208 as may be selected by customer subject to availability at the customer's premise). Three phase service is furnished under the Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is required for motors of an individual rated capacity of 7-1/2 HP or more.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>		
	May-October	\$ 7.50	Basic Service Charge, plus
	Billing Cycles	0.07893	per kWh first 400 kWh
	(Summer)	0.11003	per kWh next 400 kWh
		0.12832	per kWh all additional kWh
	November-April	\$ 7.50	Basic Service Charge, plus
	Billing Cycles	0.07912	per kWh for all kWh
	(Winter)		
B.	<u>MINIMUM</u>	\$ 7.50	per month

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

As provided in Company's standard agreement for service.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: May 1, 1981

A.C.C. No. 5363  
 Cancelling A.C.C. No. 5319  
 Tariff or Schedule No. EC-1  
 Revision No. 22  
 Effective: October 1, 1999

RESIDENTIAL SERVICE WITH DEMAND CHARGE

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service, except as stated below, required for residential purposes in individual private dwellings and in individually metered apartments when such service is supplied at one premise through one point of delivery and measured through one meter.

Applicable only to those customers being served on Company's Rate Schedule EC-1 prior to December 6, 1991, except those customers who have installed and operate either a solar water heater, installed by a registered installer, or an electric heat pump water heater.

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Single phase, 60 Hertz, at one standard voltage (120/240 or 120/208 as may be selected by customer subject to availability at the customer's premise). Three phase service is furnished under the Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is required for motors of an individual rated capacity of 7-1/2 HP or more.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>		
	May-October Billing Cycles (Summer)	\$10.00 10.53  0.04095	Basic Service Charge, plus per kW Capacity Charge (but not more than \$0.08424 per kWh for all kWh use), plus per kWh for all kWh
	November-April Billing Cycles (Winter)	\$10.00 7.55  0.03398	Basic Service Charge, plus per kW Capacity Charge (but not more than \$0.06040 per kWh for all kWh use), plus per kWh for all kWh

DETERMINATION OF KW CAPACITY

The average kW supplied during the 60-minute period of maximum use during the month, as determined from readings of the Company's meter. In the event the meter is inaccessible to the meter reader due to locked gates or because of safety limitations, the kW shall be that measured since the last resetting of the kW dial. If the kW dial was not reset, the Customer may request a resetting to zero for a charge of \$10 per trip. However, the request from the Customer must be within three (3) days of notification by APS that the meter reader was unable to reset the kW dial. The kW dial will be reset to zero, unless the registered kW at the reset time is greater than the registered kW at the last scheduled reading. The billing kW shall be the kW registered on the kW dial at the next scheduled reading.

B.	<u>MINIMUM</u>	\$10.00	per month
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(CONTINUED ON REVERSE SIDE)

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

As provided in Company's standard agreement for service.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

FROZEN

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: December 1, 1988

A.C.C. No. 5364  
 Cancelling A.C.C. No. 5320  
 Tariff or Schedule No. ECT-1R  
 Revision No. 10  
 Effective: October 1, 1999

RESIDENTIAL SERVICE  
TIME-OF-USE  
WITH DEMAND CHARGE

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service required for residential purposes in specified individual private dwellings and in individually metered apartments when such service is supplied at one premise through one point of delivery and measured through one meter.

Rate selection is subject to sections numbered 3.2 and 3.3 of Schedule No. 1 of the Company's "Terms and Conditions," except that this rate schedule would become effective from the next meter reading after written notice to Company and after Company has installed the required timed kilowatt meter.<sup>1/</sup>

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Single phase, 60 Hertz, at one standard voltage (120/240 or 120/208 as may be selected by customer subject to availability at the customer's premise). Three phase service is furnished under the Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is required for motors of an individual rated capacity of 7-1/2 HP or more.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

May-October	\$15.00	Basic Service Charge, plus
Billing Cycles	12.12	per kW Capacity Charge On-Peak, (but not more
(Summer)		than \$0.09696 per kWh for all kWh use), plus
	0.04892	per kWh On-Peak
	0.02721	per kWh Off-Peak
November-April	\$15.00	Basic Service Charge, plus
Billing Cycles	8.68	per kW Capacity Charge On-Peak, (but not more
(Winter)		than \$0.06944 per kWh for all kWh use), plus
	0.03872	per kWh On-Peak
	0.02721	per kWh Off-Peak

DETERMINATION OF KW CAPACITY

The average kW supplied during the 60-minute period of maximum use between 9 a.m. and 9 p.m. Monday through Friday of the billing month, as determined from readings of the Company's meter. In the event the meter is inaccessible to the meter reader due to locked gates or because of safety limitations, the kW shall be that measured since the last resetting of the kW dial. If the kW dial was not reset, the Customer may request a resetting to zero for a charge of \$10 per trip. However, the request from the Customer must be within three (3) days of notification by APS that the meter reader was unable to reset the kW dial. The kW dial will be reset to zero, unless the registered kW at the reset time is greater than the registered kW at the last scheduled reading. The billing kW shall be the kW registered on the kW dial at the next scheduled reading.

<sup>1/</sup> The type of meter required is not generally used for residential purposes and therefore their availability is limited. Additionally, it is not known how many meters may be required. Consequently, the Company cannot guarantee installation within any specific time.

(CONTINUED ON REVERSE SIDE)

A. RATE (continued)

TIME PERIODS

On-Peak Period: 9 a.m. - 9 p.m., Monday through Friday  
Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

B. MINIMUM \$15.00 per month

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

As provided in Company's standard agreement for service.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: January 1, 1982

A.C.C. No. 5365  
 Cancelling A.C.C. No. 5321  
 Tariff or Schedule No. ET-1  
 Revision No. 21  
 Effective: October 1, 1999

RESIDENTIAL SERVICE  
TIME OF USE

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service required for residential purposes in specified individual private dwellings and in individually metered apartments when such service is supplied at one premise through one point of delivery and measured through one meter.

Rate selection is subject to Sections numbered 3.2 and 3.3 of Schedule No. 1 of the Company's "Terms and Conditions," except that this rate schedule would become effective from the next meter reading after written notice to Company and after Company has installed the required timed kilowatthour meter.<sup>1/</sup>

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Single phase, 60 Hertz, at one standard voltage (120/240 or 120/208 as may be selected by customer subject to availability at the customer's premise). Three phase service is furnished under the Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is required for motors of an individual rated capacity of 7-1/2 HP or more.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

May-October	\$15.00	Basic Service Charge, plus
Billing Cycles	0.13714	per kWh On-Peak
(Summer)	0.04419	per kWh Off-Peak
November-April	\$15.00	Basic Service Charge, plus
Billing Cycles	0.11403	per kWh On-Peak
(Winter)	0.04419	per kWh Off-Peak

TIME PERIODS

On-Peak Period: 9 a.m. - 9 p.m., Monday through Friday

Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads, the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

<sup>1/</sup> The type of meter required is not generally used for residential purposes and therefore their availability is limited. Additionally, it is not known how many meters may be required. Consequently, the Company cannot guarantee installation within any specific time.

B. MINIMUM \$15.00 per month

(CONTINUED ON REVERSE SIDE)

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

As provided in Company's standard agreement for service.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: May 29, 1971

A.C.C. No. 5366  
 Cancelling A.C.C. No. 5322  
 Tariff or Schedule No. E-281  
 Revision No. 23  
 Effective: October 1, 1999

RESIDENTIAL SERVICEAVAILABILITY

Clear Creek Pines Units 3-7 Line (that line including laterals and extensions, which extends from approximately 900 feet west of SE corner of Section 33, T. 15N., R. 11E.) at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To minimums for electric service billed under residential rate schedules.

Not applicable to breakdown, standby, supplementary or resale service.

All provisions of the applicable residential rate schedule will apply except as specifically modified herein.

MINIMUM

Application of the various "Phases" are applicable based upon the number of customers being served during the month from the Clear Creek Pines Units 3-7 Line:

<u>Phase</u>	<u>No. of Customers</u>	<u>Charge Per Month</u>	<u>Annual* Minimum Charges Not to Exceed</u>
1	1 - 164	\$26.82	\$321.84
2	165 - 299	20.13	241.56
3	300 or more	The minimum as specified in the applicable rate schedule.	

\*12 months ending with the current month.

CONTRACT PERIOD

Three (3) years, or longer, at Company's option for initial period when construction is required. One (1) year, or longer, at Company's option when construction is not required.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: October 18, 1975

A.C.C. No. 5367  
 Cancelling A.C.C. No. 5323  
 Tariff or Schedule No. E-284  
 Revision No. 23  
 Effective: October 1, 1999

RESIDENTIAL SERVICEAVAILABILITY

Government Prairie Line (that line including laterals and extensions, which extends from the W 1/4 of Section 13, T. 22N., R 4E. of the G & SRB & M) at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To minimums for electric service billed under residential rate schedules.

Not applicable to breakdown, standby, supplementary or resale service.

All provisions of the applicable residential rate schedule will apply except as specifically modified herein.

MINIMUM

Application of the various "Phases" are applicable based upon the number of customers being served during the month from the Government Prairie Line:

<u>Phase</u>	<u>No. of Customers</u>	<u>Charge Per Month</u>	<u>Annual* Minimum Charges Not to Exceed</u>
1	1 - 18	\$53.66	\$643.92
2	19 - 25	40.22	482.64
3	26 - 38	26.82	321.84
4	39 - 50	20.13	241.56
5	51 or more	The minimum as specified in the applicable rate schedule.	

\*12 months ending with the current month.

CONTRACT PERIOD

Three (3) years, or longer, at Company's option for initial period when construction is required. One (1) year, or longer, at Company's option when construction is not required.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: October 18, 1975

A.C.C. No. 5367  
 Cancelling A.C.C. No. 5323  
 Tariff or Schedule No. E-284  
 Revision No. 23  
 Effective: October 1, 1999

RESIDENTIAL SERVICEAVAILABILITY

Government Prairie Line (that line including laterals and extensions, which extends from the W 1/4 of Section 13, T. 22N., R 4E. of the G & SRB & M) at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To minimums for electric service billed under residential rate schedules.

Not applicable to breakdown, standby, supplementary or resale service.

All provisions of the applicable residential rate schedule will apply except as specifically modified herein.

MINIMUM

Application of the various "Phases" are applicable based upon the number of customers being served during the month from the Government Prairie Line:

<u>Phase</u>	<u>No. of Customers</u>	<u>Charge Per Month</u>	<u>Annual* Minimum Charges Not to Exceed</u>
1	1 - 18	\$53.66	\$643.92
2	19 - 25	40.22	482.64
3	26 - 38	26.82	321.84
4	39 - 50	20.13	241.56
5	51 or more	The minimum as specified in the applicable rate schedule.	

\*12 months ending with the current month.

CONTRACT PERIOD

Three (3) years, or longer, at Company's option for initial period when construction is required. One (1) year, or longer, at Company's option when construction is not required.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: December 29, 1992

A.C.C. No. 5368  
 Cancelling A.C.C. No. 5324  
 Tariff or Schedule No. E-21  
 Revision No. 5  
 Effective: October 1, 1999

SMALL GENERAL SERVICE  
TIME OF USE  
LESS THAN 100 KW

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served. A maximum of sixty (60) customers with a demand of 0-40 kW, twenty-five (25) with a demand of 41-70 kW and fifteen with a demand of 71-100 kW, for a total of one hundred (100) customers, may be served on this rate. The initial assignment to this rate will be based on the highest actual or estimated demand, on-peak or off-peak, in a continuous twelve (12) month period. The customers will be selected and approved by the Director of the Utilities Division after consultation with all interested parties.

APPLICATION

To customers whose monthly maximum demand is 100 kW or less. In the event the demand exceeds 100 kW for three (3) consecutive months, this rate is no longer applicable.

Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer contract.

Applicable only to those customers being served on Company's Rate Schedule E-21 prior to July 1, 1996.

Not applicable to breakdown, standby, supplementary, residential or resale service, nor to service for which Rate Schedule E-34 is applicable.

Rate selection is subject to Sections numbered 3.3 of Schedule No. 1 of the Company's "Terms and Conditions", except that this rate schedule would become effective from the next meter reading after written notice to Company and after Company has installed the required timed kilowatt meter. <sup>1/</sup>

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by customer subject to the availability at the customer's premise. Three phase service is furnished under Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is not furnished for motors of an individual rated capacity of less than 7-1/2 HP, except for existing facilities or where total aggregate HP of all connected three phase motors exceed 12 HP. Three phase service is required for motors of an individual rated capacity of more than 7-1/2 HP.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>		
	June-October	\$27.00	Basic Service Charge, plus
	Billing Cycles	2.05	per kW* Demand Charge On-Peak
	(Summer)	0.12343	per kWh On-Peak
		0.05961	per kWh Off-Peak
	November-May	\$27.00	Basic Service Charge
	Billing Cycles	1.86	per kW* Demand Charge On-Peak
	(Winter)	0.10855	per kWh On-Peak
		0.05343	per kWh Off-Peak

- In the event the Off-Peak kW is greater than twice the highest On-Peak kW established during the current month, the difference between such Off-Peak kW and twice the On-Peak kW shall be billed at 50% of the current month's On-Peak kW charge, in addition to the Demand Charge as stated above.

<sup>1/</sup> The type of meter required is not generally used for general service purposes and therefore their availability is limited. Consequently, the Company cannot guarantee installation within any specific time.

(CONTINUED ON REVERSE SIDE)

DETERMINATION OF KW DEMAND

The average kW demands supplied during the 15-minute periods of maximum use during the On-Peak and Off-Peak periods of the month, as determined from the reading of the Company's meter.

TIME PERIODS

On-Peak Period: 11 a.m. - 9 p.m., Monday through Friday

Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

B. MINIMUM

\$20.00 plus \$1.71 for each kW in excess of five of either the highest kW established during either the On- or Off-Peak period during the 12 months ending with the current month or the minimum kW specified in the agreement for service, whichever is the greater.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are, or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

One (1) year, or longer, at Company's option.

TERMS AND CONDITIONS AND CONTRACT PROVISIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service, and/or special Terms and Conditions at Company's option as provided for in any contract or agreement for service with any customer subject hereto.

FROZEN

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: April 1, 1988

A.C.C. No. 5369  
 Cancelling A.C.C. No. 5325  
 Tariff or Schedule No. E-22  
 Revision No. 10  
 Effective: October 1, 1999

SMALL GENERAL SERVICE  
TIME OF USE

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served. A maximum of three hundred (300) customers, selected and approved by the Director of the Utilities Division after consultation with all interested parties, may be served under this rate schedule.

APPLICATION

Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer contract.

Not applicable to breakdown, standby, supplementary, residential or resale service, nor to service for which Rate Schedule E-34 is applicable.

Rate selection is subject to Sections numbered 3.3 of Schedule No. 1 of the Company's "Terms and Conditions", except that this rate schedule would become effective from the next meter reading after written notice to Company and after Company has installed the required timed kilowatt meter. 1/

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by customer subject to the availability at the customer's premise. Three phase service is furnished under Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is not furnished for motors of an individual rated capacity of less than 7-1/2 HP, except for existing facilities or where total aggregate HP of all connected three phase motors exceed 12 HP. Three phase service is required for motors of an individual rated capacity of more than 7-1/2 HP.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

June-October Billing Cycles (Summer)	\$27.00 2.26 0.12372 0.07627	Basic Service Charge, plus per kW* Demand Charge On-Peak per kWh On-Peak per kWh Off-Peak
November-May Billing Cycles (Winter)	\$27.00 2.06 0.11051 0.06560	Basic Service Charge per kW* Demand Charge On-Peak per kWh On-Peak per kWh Off-Peak

- In the event the Off-Peak kW is greater than twice the highest On-Peak kW established during the current month, the difference between such Off-Peak kW and twice the On-Peak kW shall be billed at 50% of the current month's On-Peak kW charge, in addition to the Demand Charge as stated above.

DETERMINATION OF KW DEMAND

The average kW demands supplied during the 15-minute periods of maximum use during the On-Peak and Off-Peak periods of the month, as determined from the reading of the Company's meter.

1/ The type of meter required is not generally used for general service purposes and therefore their availability is limited. Consequently, the Company cannot guarantee installation within any specific time.

(CONTINUED ON REVERSE SIDE)

TIME PERIODS

On-Peak Period: 11 a.m. - 9 p.m., Monday through Friday

Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

B. MINIMUM

\$20.00 plus \$1.71 for each kW in excess of five of either the highest kW established during either the On- or Off-Peak period during the 12 months ending with the current month or the minimum kW specified in the agreement for service, whichever is the greater.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

One (1) year, or longer, at Company's option.

TERMS AND CONDITIONS AND CONTRACT PROVISIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service, and/or special Terms and Conditions at Company's option as provided for in any contract or agreement for service with any customer subject hereto.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: April 1, 1988

A.C.C. No. 5370  
 Cancelling A.C.C. No. 5326  
 Tariff or Schedule No. E-23  
 Revision No. 9  
 Effective: October 1, 1999

MEDIUM GENERAL SERVICE  
TIME OF USE

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served. A maximum of one hundred and fifty (150) customers, selected and approved by the Director of the Utilities Division after consultation with all interested parties, may be served under this rate schedule.

APPLICATION

Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer contract.  
 Not applicable to breakdown, standby, supplementary, residential or resale service, nor to service for which Rate Schedule E-34 is applicable.

Rate selection is subject to Sections numbered 3.3 of Schedule No. 1 of the Company's "Terms and Conditions", except that this rate schedule would become effective from the next meter reading after written notice to Company and after Company has installed the required timed kilowatt meter. 1/

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by customer subject to the availability at the customer's premise. Three phase service is furnished under Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is not furnished for motors of an individual rated capacity of less than 7-1/2 HP, except for existing facilities or where total aggregate HP of all connected three phase motors exceed 12 HP. Three phase service is required for motors of an individual rated capacity of more than 7-1/2 HP.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

June-October	\$58.00	Basic Service Charge, plus
Billing Cycles	6.55	per kW* Demand Charge On-Peak
(Summer)	0.08329	per kWh On-Peak
	0.05961	per kWh Off-Peak
November-May	\$58.00	Basic Service Charge
Billing Cycles	5.94	per kW* Demand Charge On-Peak
(Winter)	0.07477	per kWh On-Peak
	0.05343	per kWh Off-Peak

- In the event the Off-Peak kW is greater than twice the highest On-Peak kW established during the current month, the difference between such Off-Peak kW and twice the On-Peak kW shall be billed at 50% of the current month's On-Peak kW charge, in addition to the Demand Charge as stated above.

DETERMINATION OF KW DEMAND

The average kW demands supplied during the 15-minute periods of maximum use during the On-Peak and Off-Peak periods of the month, as determined from the reading of the Company's meter.

1/ The type of meter required is not generally used for general service purposes and therefore their availability is limited. Consequently, the Company cannot guarantee installation within any specific time.

TIME PERIODS

On-Peak Period: 11 a.m. - 9 p.m., Monday through Friday

Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

B. MINIMUM

\$20.00 plus \$1.71 for each kW in excess of five of either the highest kW established during either the On- or Off-Peak period during the 12 months ending with the current month or the minimum kW specified in the agreement for service, whichever is the greater.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

One (1) year, or longer, at Company's option.

TERMS AND CONDITIONS AND CONTRACT PROVISIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service, and/or special Terms and Conditions at Company's option as provided for in any contract or agreement for service with any customer subject hereto.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: April 1, 1988

A.C.C. No. 5371  
 Cancelling A.C.C. No. 5327  
 Tariff or Schedule No. E-24  
 Revision No. 10  
 Effective: October 1, 1999

LARGE GENERAL SERVICE  
TIME OF USE

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served. A maximum of fifty (50) customers, selected and approved by the Director of the Utilities Division after consultation with all interested parties, may be served under this rate schedule.

APPLICATION

Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer contract.

Not applicable to breakdown, standby, supplementary, residential or resale service, nor to service for which Rate Schedule E-34 is applicable.

Rate selection is subject to Sections numbered 3.3 of Schedule No. 1 of the Company's "Terms and Conditions", except that this rate schedule would become effective from the next meter reading after written notice to Company and after Company has installed the required timed kilowatt meter. 1/

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by customer subject to the availability at the customer's premise. Three phase service is furnished under Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is not furnished for motors of an individual rated capacity of less than 7-1/2 HP, except for existing facilities or where total aggregate HP of all connected three phase motors exceed 12 HP. Three phase service is required for motors of an individual rated capacity of more than 7-1/2 HP.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

June-October	\$1,000.00	Basic Service Charge, plus
Billing Cycles	9.58	per kW* Demand Charge On-Peak
(Summer)	0.05390	per kWh On-Peak
	0.03874	per kWh Off-Peak
November-May	\$1,000.00	Basic Service Charge
Billing Cycles	8.68	per kW* Demand Charge On-Peak
(Winter)	0.04819	per kWh On-Peak
	0.03462	per kWh Off-Peak

- \* In the event the Off-Peak kW is greater than twice the highest On-Peak kW established during the current month, the difference between such Off-Peak kW and twice the On-Peak kW shall be billed at 50% of the current month's On-Peak kW charge, in addition to the Demand Charge as stated above.

DETERMINATION OF KW DEMAND

The average kW demands supplied during the 15-minute periods of maximum use during the On-Peak and Off-Peak periods of the month, as determined from the reading of the Company's meter.

1/ The type of meter required is not generally used for general service purposes and therefore their availability is limited. Consequently, the Company cannot guarantee installation within any specific time.

(CONTINUED ON REVERSE SIDE)

TIME PERIODS

On-Peak Period: 11 a.m. - 9 p.m., Monday through Friday

Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

B. MINIMUM

\$20.00 plus \$1.71 for each kW in excess of five of either the highest kW established during either the On- or Off-Peak period during the 12 months ending with the current month or the minimum kW specified in the agreement for service, whichever is the greater.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

One (1) year, or longer, at Company's option.

TERMS AND CONDITIONS AND CONTRACT PROVISIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service, and/or special Terms and Conditions at Company's option as provided for in any contract or agreement for service with any customer subject hereto.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: November 1, 1986

A.C.C. No. 5372  
 Cancelling A.C.C. No. 5328  
 Tariff or Schedule No. E-30  
 Revision No. 9  
 Effective: October 1, 1999

EXTRA SMALL GENERAL SERVICE  
UNMETERED

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To electric service where the monthly demand and energy requirements are constant, subject to the limitations set forth in the Special Provisions of this schedule. Billing quantities must be subject to accurate determination without the use of metering equipment, and service must be supplied at one point of delivery.

Not applicable to breakdown, standby, supplementary, residential, or resale service.

TYPE OF SERVICE

Single phase, 60 Hertz, at one standard voltage (120/240 or 120/208 volts as may be selected by customer subject to availability at the customer's premise). The cost of service extension shall include transformation equipment, if required.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>		
	June-October Billing Cycles (Summer)	\$6.25 0.10827	Basic Service Charge, plus per kWh for all kWh
	November-May Billing Cycles (Winter)	\$6.25 0.09751	Basic Service Charge, plus per kWh for all kWh
B.	<u>MINIMUM</u>	\$6.25	per month

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

(CONTINUED ON REVERSE SIDE)

SPECIAL PROVISIONS

1. This rate schedule is applicable only to loads where monthly demand (kW) and energy (kWh) requirements remain constant. Monthly demand and energy requirements may not exceed 5 kW or 3,650 kWh, respectively, for each delivery point. Determination of fixed monthly energy usage will be based on an average 730 hour month.
2. Prior written approval by an authorized Company representative is required before service is implemented under this rate schedule.
3. Prior written approval by an authorized Company representative is required for any change in loads. Unauthorized load change will automatically disqualify customer from service under this rate schedule.
4. Company shall have the right to inspect customer's load facilities at any time to assure compliance with all provisions of this rate schedule.

CONTRACT PERIOD

As provided in Company's standard agreement for service.

TERMS AND CONDITIONS

Subject to the Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: November 1, 1983

A.C.C. No. 5373  
 Cancelling A.C.C. No. 5329  
 Tariff or Schedule No. E-32  
 Revision No. 14  
 Effective: October 1, 1999

GENERAL SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service required when such service is supplied at one point of delivery and measured through one meter. For those service locations where electric service has historically been measured through two meters, when one of the meters was installed pursuant to a water heating rate schedule no longer in effect, the electric service measured by such meters shall be combined for billing purposes.

Not applicable to breakdown, standby, supplementary, residential or resale service nor to service for which Rate Schedule E-34 is applicable.

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by customer subject to availability at the customer's premise. Three phase service is furnished under Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is not furnished for motors of an individual rated capacity of less than 7-1/2 HP, except for existing facilities or where total aggregate HP of all connected three phase motors exceed 12 HP. Three phase service is required for motors of an individual rated capacity of more than 7-1/2 HP.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

June-October Billing Cycles (Summer)	\$12.50 1.82 0.10849 0.10849 0.07434 0.04683	Basic Service Charge, plus for each kW in excess of 5, plus per kWh for the first 2,500 kWh per kWh for the next 100 kWh per kW over 5 per kWh for the next 42,000 kWh per kWh for all additional kWh
November-May Billing Cycles (Winter)	\$12.50 1.64 0.09773 0.09773 0.06676 0.04187	Basic Service Charge, plus for each kW in excess of 5, plus per kWh for the first 2,500 kWh per kWh for the next 100 kWh per kW over 5 per kWh for the next 42,000 kWh per kWh for all additional kWh

DETERMINATION OF KW

The average kW supplied during the 15-minute period of maximum use during the month, as determined from readings of the Company's meter.

- B. MINIMUM \$12.50 plus \$1.71 for each kW in excess of five of either the highest kW established during the 12 months ending with the current month or the minimum kW specified in the agreement for service, whichever is the greater.

(CONTINUED ON REVERSE SIDE)

ADJUSTMENTS

The applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

BILLING FORMULA

The monthly bill computed under Section A of the Monthly Bill may be calculated by applying the values in the following table to measured kW and kWh.

		SUMMER (June through October) (Billing Cycles)			WINTER (November through May) (Billing Cycles)		
		\$/kWh	\$/kW	\$ Adder	\$/kWh	\$/kW	\$ Adder
A.	For 0 to 5 kW:						
1.	If kWh ≤ 2,500	0.10849	0.00	12.50	0.09773	0.00	12.50
2.	If kWh > 2,500	0.07434	0.00	97.88	0.06676	0.00	89.93
B.	For kW > 5 kW:						
1.	If kWh ≤ (kW x 100)+2,000	0.10849	1.82	3.40	0.09773	1.64	4.30
2.	If kWh > (kW x 100)+2,000 and ≤ (kW x 100)+44,000	0.07434	5.235	71.70	0.06676	4.737	66.24
3.	If kWh > (kW x 100)+44,000	0.04683	7.986	1,282.14	0.04187	7.226	1,161.40

CONTRACT PERIOD

0 - 1,999 kW: As provided in Company's standard agreement for service.  
2,000 kW and above: Three (3) years, or longer, at Company's option for initial period when construction is required. One (1) year, or longer, at Company's option when construction is not required.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: November 1, 1983

A.C.C. No. 5374  
 Cancelling A.C.C. No. 5330  
 Tariff or Schedule No. E-34  
 Revision No. 14  
 Effective: October 1, 1999

EXTRA LARGE GENERAL SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To customers whose monthly maximum demand is 3,000 kW or more for three (3) consecutive months in any continuous twelve (12) month period ending with the current month. Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer's contract.

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Three phase, 60 Hertz, at Company's standard voltages that are available within the vicinity of customer's premises.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>	\$2,430.00	Basic Service Charge, plus
		10.99	per kW, plus
		0.03239	per kWh for all kWh

DETERMINATION OF KW

The greater of:

1. The average kW supplied during the 15-minute period (or other period as specified by individual customer's contract) of maximum use during the month, as determined from readings of the Company's meter.
2. 80% of the highest kW measured during the five (5) summer billing months (June-October) of the 12 months ending with the current month.
3. The minimum kW specified in the agreement for service or individual customer's contract.

B.	<u>MINIMUM</u>	\$2,430.00 plus \$10.99 per kW as determined in Part A per month
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ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

For service locations in:

- |    |                       |   |
|----|-----------------------|---|
| a) | <u>Isolated Areas</u> | Ten (10) years, or longer, at Company's option, with standard seven (7) year termination provision. |
| b) | <u>Other Areas</u>    | Three (3) years, or longer, at Company's option.  |

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service, and or special terms and conditions at Company's option as provided for in any Contract or Agreement for Service with any customer subject hereto.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: November 10, 1988

A.C.C. No. 5375  
 Cancelling A.C.C. No. 5331  
 Tariff or Schedule No. E-35  
 Revision No. 8  
 Effective: October 1, 1999

EXTRA LARGE GENERAL SERVICE  
TIME OF USE

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served. The total number of customers receiving service under this rate schedule shall be limited to ten (10), selected at Company's option.

APPLICATION

To customers whose monthly maximum demand in any time period is 3,000 kW or more for three (3) consecutive months in any twelve (12) month period ending with the current month. Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer's contract.

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Three phase, 60 Hertz, at Company's standard voltages that are available within the vicinity of customer's premises.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

\$2,450.00	Basic Service Charge, plus
13.52	per kW* Demand On-Peak, plus
0.03734	per kWh On-Peak
0.02181	per kWh Off-Peak

- \* In the event the Off-Peak kW is greater than twice the On-Peak kW measured during the current month, the difference between such Off-Peak kW and twice the On-Peak kW shall be billed at 50% of the On-Peak kW rate, in addition to the Demand Charge as stated above.

DETERMINATION OF ON-PEAK KW DEMAND

The greater of:

1. The average kW supplied during the 15-minute period of maximum use during the On-Peak period as determined from the readings of the Company's meter.
2. 80% of the highest kW measured during the On-Peak hours of the five (5) summer billing months (June-October) of the 12 months ending with the current month.

DETERMINATION OF OFF-PEAK KW DEMAND

The average kW supplied during the 15-minute period of maximum use during the Off-Peak period as determined from the readings of the Company's meter.

B. MINIMUM

\$2,450.00 plus \$13.52 times the minimum kW specified in the agreement for service or individual customer's contract.

(CONTINUED ON REVERSE SIDE)

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

TIME PERIODS

On-Peak Period: 11 a.m. - 9 p.m., Monday through Friday  
Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

CONTRACT PERIOD

For service locations in:

- a) Isolated Areas Ten (10) years, or longer, at Company's option, with standard seven (7) year termination provision.
- b) Other Areas Three (3) years, or longer at Company's option.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service, and/or special terms and conditions at Company's option as provided for in any Contract or Agreement for Service with any customer subject hereto.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
Phoenix, Arizona  
Filed by: Alan Propper  
Title: Director of Pricing and Regulation  
Original Effective Date: December 1, 1951

A.C.C. No. 5376  
Cancelling A.C.C. No. 5332  
Tariff or Schedule No. E-54  
Revision No. 35  
Effective: October 1, 1999

SEASONAL SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To electric service billed under the applicable General Service rate schedule (except as limited below) where the customer's requirements are distinctly of a recurring seasonal nature, and where the customer contracts for service for a sufficient period of time and guarantees payments of a sufficient amount (in no event less than \$619.92 in any 12 consecutive months) to justify the Company in installing its service facilities and leaving them in place from season to season.

Application is subject to the following limitations:

1. Applicable only to electric service billed on Rate Schedule E-32.
2. Not applicable to breakdown, standby, supplementary or resale service.
3. Not applicable to service where highest kW occurs in the billing months of June, July or August.

All provisions of the applicable General Service rate schedule will apply except as modified herein.

BILLING

In accordance with the schedule specified above except:

That the minimum monthly bill shall be the monthly minimum specified in the rate schedule, but not more than an amount sufficient to make the total charges for the 12 months ending with the current month equal to twelve times the minimum specified in the rate schedule as calculated on the highest kW established during the 12 months ending with the current month, or the minimum kW specified in the Agreement for Service, whichever is greater, but in no event less than \$619.92.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: May 29, 1971

A.C.C. No. 5377  
 Cancelling A.C.C. No. 5333  
 Tariff or Schedule No. E-281 GS  
 Revision No. 24  
 Effective: October 1, 1999

GENERAL SERVICEAVAILABILITY

Clear Creek Pines Units 3-7 Line (that line including laterals and extensions, which extends from approximately 900 feet west of SE corner of Section 33, T. 15N., R. 11E.) at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To minimums for general electric service billed under Rate Schedule E-32 or other general service rates otherwise applicable to the area served from the Clear Creek Pines Units 3-7 Line, including laterals and extensions from it.

Not applicable to breakdown, standby, supplementary or resale service.

All provisions of the applicable General Service rate schedules will apply except as specifically modified herein.

MINIMUM

Application of the various "Phases" are applicable based upon the number of customers being served during the month from the Clear Creek Pines Units 3 - 7 Line:

<u>Phase</u>	<u>No. of Customers</u>	<u>Charge Per Month*</u>	<u>Annual**Minimum Charges Not to Exceed</u>
1	1 - 164	\$54.12	\$649.44
2	165 - 299	40.56	486.72
3	300 or more	The minimum as specified in the applicable rate schedule.	

\*But not less than the minimum as specified in the applicable rate schedule.

\*\*12 months ending with the current month.

CONTRACT PERIOD

Three (3) years, or longer, at Company's option for initial period when construction is required. One (1) year, or longer, at Company's option when construction is not required.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: January 1, 1976

A.C.C. No. 5378  
 Cancelling A.C.C. No. 5334  
 Tariff or Schedule No. E-284 GS  
 Revision No. 23  
 Effective: October 1, 1999

GENERAL SERVICEAVAILABILITY

Government Prairie Line (that line including laterals and extensions, which extends from the W 1/4 of Section 13, T. 22N., R. 4E. of the G & SRB & M) at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To minimums for general electric service billed under Rate Schedule E-32 or other general service rates otherwise applicable to the area served from the Government Prairie Line, including laterals and extensions from it.

Not applicable to breakdown, standby, supplementary or resale service.

All provisions of the applicable General Service rate schedule will apply except as specifically modified herein.

MINIMUM

Application of the various "Phases" are applicable based upon the number of customers being served during the month from the Government Prairie Line:

<u>Phase</u>	<u>No. of Customers</u>	<u>Charge Per Month*</u>	<u>Annual**Minimum Charges Not to Exceed</u>
1	1 - 18	\$81.16	\$973.92
2	19 - 25	67.64	811.68
3	26 - 38	54.12	649.44
4	39 - 50	40.56	486.72
5	51 or more	The minimum as specified in the applicable rate schedule.	

\*But not less than the minimum as specified in the applicable rate schedule.

\*\*12 months ending with the current month.

CONTRACT PERIOD

Three (3) years, or longer, at Company's option for initial period when construction is required. One (1) year, or longer, at Company's option when construction is not required.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: July 1, 1996

A.C.C. No. 5379  
 Cancelling A.C.C. No. 5335  
 Tariff or Schedule No. E-20  
 Revision No. 3  
 Effective Date: October 1, 1999

GENERAL SERVICE  
TIME OF USE FOR  
RELIGIOUS HOUSES OF WORSHIP

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

Applicable to non-taxable religious houses of worship, that apply for and are eligible for such service, whose main purpose is worship and who have an established and continuing membership, but will be limited to the meter that serves the building in which the sanctuary or principal place of worship is located.

The religious houses of worship may be requested to provide the Company a copy of the letter of determination of non-taxable status as a religious organization from the Internal Revenue Service. In addition, the religious houses of worship agrees to provide the Company a copy within 30 days if the letter is changed by the Internal Revenue Service.

Service must be supplied at one point of delivery and measured through one meter unless otherwise specified by individual customer contract.

Not applicable to breakdown, standby, supplementary, residential or resale service, nor to service for which Rate Schedule E-34 is applicable.

Rate selection is subject to Sections numbered 3.3 of Schedule No. 1 of the Company's "Terms and Conditions", except that this rate schedule would become effective from the next meter reading after written notice to Company and after Company has installed the required timed kilowatt meter. <sup>1/</sup>

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by customer subject to the availability at the customer's premise. Three phase service is furnished under Company's standard rules covering line extensions. Transformation equipment is included in cost of extension. Three phase service is not furnished for motors of an individual rated capacity of less than 7-1/2 HP, except for existing facilities or where total aggregate HP of all connected three phase motors exceed 12 HP. Three phase service is required for motors of an individual rated capacity of more than 7-1/2 HP.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

June-October	\$27.00	Basic Service Charge, plus
Billing Cycles	2.05	per kW* Demand Charge On-Peak
(Summer)	0.12343	per kWh On-Peak
	0.05961	per kWh Off-Peak
November-May	\$27.00	Basic Service Charge
Billing Cycles	1.86	per kW* Demand Charge On-Peak
(Winter)	0.10855	per kWh On-Peak
	0.05343	per kWh Off-Peak

- \* In the event the Off-Peak kW is greater than twice the highest On-Peak kW established during the current month, the difference between such Off-Peak kW and twice the On-Peak kW shall be billed at 50% of the current month's On-Peak kW charge, in addition to the Demand Charge as stated above.

<sup>1/</sup> The type of meter required is not generally used for general service purposes and therefore their availability is limited. Consequently, the Company cannot guarantee installation within any specific time.

(CONTINUED ON REVERSE SIDE)

DETERMINATION OF KW DEMAND

The average kW demands supplied during the 15-minute periods of maximum use during the On-Peak and Off-Peak periods of the month, as determined from the reading of the Company's meter.

TIME PERIODS

On-Peak Period: 11 a.m. - 9 p.m., Monday through Friday

Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

B. MINIMUM

\$20.00 plus \$1.71 for each kW in excess of five of either the highest kW established during either the On- or Off-Peak period during the 12 months ending with the current month or the minimum kW specified in the agreement for service, whichever is the greater.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

One (1) year, or longer, at Company's option.

TERMS AND CONDITIONS AND CONTRACT PROVISIONS

Subject to Company's Terms and Conditions for the sale of electric service, and/or special Terms and Conditions at Company's option as provided for in any contract or agreement for service with any customer subject hereto.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: December 1, 1951

A.C.C. No. 5380  
 Cancelling A.C.C. No. 5336  
 Tariff or Schedule No. E-38  
 Revision No. 46  
 Effective: October 1, 1999

AGRICULTURAL IRRIGATION SERVICEAVAILABILITY

In Maricopa and Pinal Counties, in Yuma and its environs, in Yavapai County south of the south boundary of T9N and west of the west boundary of R2E of the G&SPB&M, and in La Paz County except for those areas where Company's total supply of power is purchased, at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To electric service required for irrigation pumping when such service is supplied at one point of delivery and measured through one meter.

Not applicable to pumping of water for sale or distribution for non-agricultural purposes. The term "agricultural" is restricted to irrigation for the purpose of growing commercial crops, and it is not intended to include the watering of lawns, parks, golf courses or other similar uses of water.

Applicable only to those customers being served on Company's Rate Schedule E-38 prior to December 6, 1991.

Not applicable to breakdown, standby, supplementary, or resale service.

TYPE OF SERVICE

Three phase, 60 Hertz, at one standard voltage (12,500, 2400, 480 or 240 volts as may be selected by customer subject to availability at the premises). Measurement of service is at secondary voltage.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.

RATE

May-Oct	\$15.00	Basic Service Charge, plus
Billing Cycles	0.47	per each kW, plus
(Summer)	0.07346	per kWh first 275 kWh per kW
	0.06045	per kWh all additional kWh
Nov.-Apr.	\$15.00	Basic Service Charge, plus
Billing Cycles	0.47	for each kW, plus
(Winter)	0.06045	per kWh for all kWh

TRANSFORMER DISCOUNT

On the first 275 kWh per kW, when Customer owns the transformers and structures, as follows:

\$0.00321 per kWh on the first 55,000 kWh  
 0.00107 per kWh on all additional kWh

TIME OF WEEK PROVISIONS

When Customer's measured kWh during the specified control period is:

(1)	2 kWh per kW or less	The base revenue will be adjusted by: (\$ 0.00751) per kWh for all kWh
(2)	Greater than 2 kWh per kW but less than or equal to 8 kWh per kW	\$ 0.000000 per kWh for all kWh
(3)	Greater than 8 kWh per kW	-\$ 0.00376 per kWh for all kWh

(CONTINUED ON REVERSE SIDE)

A. RATE (Continued)

AVAILABILITY

Only available to those customers who have signed the Electric Supply Agreement regarding these provisions. The type of equipment required is nonstandard and therefore availability is limited. Additionally, the amount of equipment required is unknown. Consequently, Company cannot guarantee installation of the equipment required within any specific time.

CONTROL PERIOD

The control period will be a period from 9 a.m. to 10 p.m. for one assigned day of week, Monday through Friday, as specified by Company in the Electric Supply Agreement.

DETERMINATION OF KW DEMAND

The average kW supplied during the 15-minute period of maximum use during the month, as determined from readings of the Company's meter, or at Company's option, by test.

B. MINIMUM

\$15.00 per month; however, in no event shall the total charges for the 12 months ending with the current month be less than \$545.40.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

Three (3) years, or longer, at Company's option for initial period when construction is required. One (1) year, or longer, at Company's option when construction is not required.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

FROZEN

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: April 1, 1988

A.C.C. No. 5381  
 Cancelling A.C.C. No. 5337  
 Tariff or Schedule No. E-38-8T  
 Revision No. 8  
 Effective: October 1, 1999

AGRICULTURAL IRRIGATION SERVICE  
TIME OF USE

AVAILABILITY

In Maricopa and Pinal Counties, in Yuma and its environs, in Yavapai County south of the south boundary of T9N and west of the west boundary of R2E of the G&SRB&M, and in La Paz County except for those areas where Company's total supply of power is purchased, at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served. A maximum of fifty (50) customers, selected at Company's option, may be served under this rate schedule.

APPLICATION

To electric service required for irrigation pumping when such service is supplied at one point of delivery and measured through one meter.

Not applicable to pumping of water for sale or distribution for non-agricultural purposes for delivery points initially served by Company after November 1, 1983.

Applicable only to those customers being served on Company's Rate Schedule E-38-8T prior to December 6, 1991.

Not applicable to breakdown, standby, supplementary, or resale service.

Rate selection is subject to Sections numbered 3.2 and 3.3 of Schedule No. 1 of the Company's "Terms and Conditions," except that this rate schedule would become effective from the next meter reading after Company has installed the required timed kilowatt-hour meter.

TYPE OF SERVICE

Three phase, 60 Hertz, at one standard voltage (12,500, 2400, 480 or 240 volts as may be selected by customer subject to availability at the premises). Measurement of service is at secondary voltage.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

\$15.00	Basic Service Charge, plus
9.23	per kW established during on-peak hours*
0.47	per kW established during off-peak hours
0.07346	per kWh measured during on-peak hours*
0.04819	per kWh measured during off-peak hours

\*On-peak is a continuous 8 hour period between 9 a.m. and 10 p.m. as specified by the Company in the Electric Supply Agreement with the customer.

TRANSFORMER DISCOUNT

When customer owns the transformers and structures:  
 \$0.00107 per kWh on all kWh

DETERMINATION OF KW DEMAND

The average kW supplied during the 15-minute period of maximum use during the month, as determined from readings from the Company's meter, or at Company's option, by test.

B. MINIMUM

\$15.00 per month; however, in no event shall the total charges for the 12 months ending with the current month be less than \$545.40.

(CONTINUED ON REVERSE SIDE)

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

HOURS

Mountain Standard Time shall be used in the application of this rate schedule. The total time for the on-peak period is subject to a plus or minus 15-minute variation.

CONTRACT PERIOD

Three (3) years, or longer, at Company's option for initial period when construction is required. One (1) year, or longer, at Company's option when construction is not required.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

FROZEN

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: August 19, 1967

A.C.C. No. 5382  
 Cancelling A.C.C. No. 5338  
 Tariff or Schedule No. E-40  
 Revision No. 32  
 Effective: October 1, 1999

AGRICULTURAL WIND MACHINE SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service required for the operation of wind machine for frost control during the months of November thru March only when such service is supplied at one point of delivery and measured through one meter.

Not applicable to temporary, breakdown, standby, supplementary, or resale service.

TYPE OF SERVICE

Three phase, 60 Hertz, at one standard voltage (120/240; 480; 7200/12,000 volts as may be selected by customer subject to availability at the premises).

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

Service Charge \$ per H.P.* Per Year	Plus	Energy Charge \$ Per KWH
\$12.23		0.06654

\*Name Plate rating unless tests indicate the motor is overloaded by more than 15%.

B. MINIMUM

The annual minimum charge shall be the Service Charge.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

SPECIAL PROVISIONS

1. Payment for service under this rate schedule shall be at the customer's option, (a) monthly billing, (b) semiannual billing for three (3) months in advance and three (3) months actual use or, (c) annual billing for six (6) months in advance and six (6) months actual use. After initial selection of payment by the customer no change may be made during the term of the agreement.
2. Thermostatically controlled wind machines with automatic reclosing switches must be equipped at the customer's expense with suitable time-delay devices, as hereinafter specified, to permit the required adjustment of the time of reclosure after interruption of service.

(CONTINUED ON REVERSE SIDE)

SPECIAL PROVISIONS (Continued)

A time-delay device is a relay or other type of equipment that can be preset to delay with various time intervals the reclosing of the automatic switches in order to stagger the reconnection of the load on the utility's system. Such device, must be constructed so as to effectively permit a variable overall time interval of not less than five minutes with adjustable time increments of not greater than ten seconds. The particular setting to be utilized for each separate installation is to be determined by the utility from time to time in accordance with its operating requirements.

CONTRACT PERIOD

Initial contract period shall be for five (5) years. Contract renewal shall be for three (3) years.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: November 5, 1962

A.C.C. No. 5383  
 Canceling A.C.C. No. 5339  
 Tariff or Schedule No. E-47  
 Revision No. 38  
 Effective: October 1, 1999

DUSK TO DAWN LIGHTING SERVICEAVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To outdoor lighting which operates only from dusk to dawn where service can be supplied from the existing secondary overhead facilities of the Company.

The incandescent lighting charges (Part III A&B) are applicable and available only to those customers being served and those installations in service on April 21, 1983. The mercury vapor lighting charges (Part III A&B) are applicable and available only to those customers being served and those installations in service on June 1, 1987.

MONTHLY BILLI. SODIUM VAPOR LIGHTINGA. Company Owned Facilities where Company installs, owns, operates and maintains lighting facilities.

1.	5,800 lumen, 70 watt, high pressure sodium lamp and luminaire mounted on a bracket of 6 feet or less on existing pole.	\$10.27
2.	8,000 lumen, 55 watt, low pressure sodium lamp and luminaire mounted on a bracket of 6 feet or less on existing pole.	10.71
3.	9,500 lumen, 100 watt, high pressure sodium lamp and luminaire mounted on a bracket of 6 feet or less on existing pole.	11.66
4.	9,500 lumen, 100 watt, high pressure sodium lamp and architectural luminaire	10.28
5.	13,500 lumen, 90 watt, low pressure sodium lamp and luminaire mounted on a bracket of 6 feet or less on existing pole.	13.84
6.	16,000 lumen, 150 watt, high pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	13.82
7.	22,500 lumen, 135 watt, low pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	16.30
8.	30,000 lumen, 250 watt, high pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	17.89
9.	33,000 lumen, 180 watt, low pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	18.60
10.	50,000 lumen, 400 watt, high pressure sodium lamp and luminaire mounted on a bracket of 8 feet or less on existing pole.	29.26
11.	30,000 lumen, 250 watt, high pressure sodium lamp and flood luminaire mounted on a 36 inch/18 inch arm on a 31 foot 6 inch metal pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	31.98
12.	50,000 lumen, 400 watt, high pressure sodium lamp and flood luminaire mounted on a 36 inch/18 inch arm on a 31 foot 6 inch metal pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	33.50

(CONTINUED , REVERSE SIDE)

I. SODIUM VAPOR LIGHTING (Continued)

13.	30,000 lumen, 250 watt, high pressure sodium lamp and decorative luminaire mounted on a square metal pole 38 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	35.43
14.	50,000 lumen, 400 watt, high pressure sodium lamp and decorative luminaire mounted on a square metal pole 38 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	37.14

B. Customer Owned Facilities where customer installs and maintains lighting facilities and Company approves installation, operates and replaces lamps.

1.	5,800 lumen, 70 watt, high pressure sodium lamp and luminaire.	\$ 6.26
2.	8,000 lumen, 55 watt, low pressure sodium lamp and luminaire.	4.81
3.	9,500 lumen, 100 watt, high pressure sodium lamp and luminaire.	6.74
4.	9,500 lumen, 100 watt, high pressure sodium lamp and architectural luminaire.	6.47
5.	13,500 lumen, 90 watt, low pressure sodium lamp and luminaire.	6.07
6.	16,000 lumen, 150 watt, high pressure sodium lamp and luminaire.	6.38
7.	22,500 lumen, 135 watt, low pressure sodium lamp and luminaire.	7.78
8.	30,000 lumen, 250 watt, high pressure sodium lamp and luminaire.	12.00
9.	33,000 lumen, 180 watt, low pressure sodium lamp and luminaire.	9.36
10.	50,000 lumen, 400 watt, high pressure sodium lamp and luminaire.	14.30

II. METAL HALIDE LIGHTING

A. Company Owned Facilities

1.	13,000 lumen, 175 watt, metal halide lamp and architectural luminaire mounted on a bracket of 2 feet or less.	\$ 13.67
2.	21,000 lumen, 250 watt, metal halide lamp and architectural luminaire mounted on a bracket of 8 feet or less.	15.90
3.	36,000 lumen, 400 watt, metal halide lamp and architectural luminaire mounted on a bracket of 8 feet or less.	17.10
4.	21,000 lumen, 250 watt, metal halide lamp and flood light luminaire mounted on a 36 inch/18 inch arm on a 31 foot 6 inch steel pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	32.96
5.	36,000 lumen, 400 watt, metal halide lamp and flood light luminaire mounted on a 36 inch/18 inch arm on a 31 foot 6 inch steel pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	34.04
6.	21,000 lumen, 250 watt, metal halide lamp and decorative luminaire mounted on a square metal pole 38 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	36.44
7.	36,000 lumen, 400 watt, metal halide lamp and decorative luminaire mounted on a square metal pole 38 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit.	37.64

(CONTINUED ON PAGE 3)

B. <u>Customer Owned Facilities</u>		
1.	13,000 lumen, 175 watt, metal halide lamp and luminaire .	\$ 10.30
2.	21,000 lumen, 250 watt, metal halide lamp and luminaire.	11.09
3.	36,000 lumen, 400 watt, metal halide lamp and luminaire.	12.23

III. INCANDESCENT AND MERCURY VAPOR LIGHTING

A. <u>Company Owned Facilities</u>		
1.	4,000 lumen incandescent lamp and luminaire mounted on a bracket of 4 feet or less on existing pole	\$10.71
2.	7,000 lumen, 175 watt, mercury vapor lamp and luminaire mounted on a bracket of 6 feet or less on existing pole.	10.81
3.	20,000 lumen, 400 watt, mercury vapor lamp and luminaire mounted on a bracket of 8 feet or less on existing pole	15.02
B. <u>Customer Owned Facilities</u>		
1.	4,000 lumen incandescent lamp and luminaire	\$ 3.96
2.	7,000 lumen, 175 watt, mercury vapor lamp & luminaire	5.21
3.	20,000 lumen, 400 watt, mercury vapor lamp & luminaire	9.91

IV. CHARGES FOR OPTIONAL EQUIPMENT (Company Owned Facilities)

1.	Brackets over 8 feet and up to 16 feet in length (subject to availability)	\$ 1.27
2.	Overhead secondary line of 100 feet in length or underground if customer provides earthwork and conduit	1.27
3.	<del>One wood pole of not over 30 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit (excludes underground to overhead transition)</del>	5.04
4.	Underground secondary line of 100 feet in length if company provides earthwork and conduit	5.04
5.	One wood pole of not over 35 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit (excludes underground to overhead transition)	6.35
6.	One wood pole of not over 40 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit (excludes underground to overhead transition)	8.05
7.	One metal or fiberglass pole of not over 30 feet in length and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit	7.60
8.	One square metal pole 23 feet in length and up to 100 feet of underground secondary line if customer provides earthwork and conduit	8.56
9.	One square metal pole 34 feet in length and up to 100 feet of underground secondary line if customer provides earthwork and conduit	11.47
10.	One square metal pole 38 feet in length and up to 100 feet of underground secondary line if customer provides earthwork and conduit	20.78

(CONTINUED ON PAGE 4)

IV. CHARGES FOR OPTIONAL EQUIPMENT (Company Owned Facilities) (continued)

11.	One 38-1/2 foot metal pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit	10.19
12.	One 40-1/2 foot self-supporting/dead-end metal pole and up to 100 feet of overhead secondary line or underground if customer provides earthwork and conduit	23.55
13.	Additional maintenance charge for high pressure sodium lamp and luminaire, mounted on a bracket of 2 feet or less, that is not accessible by bucket-truck.	1.85
14.	Additional maintenance charge for metal halide lamp and luminaire, mounted on a bracket of 2 feet or less, that is not accessible by bucket-truck	3.69
15.	OFF-ON switch. Customer may request a control switch to be installed which will be at his expense and its use not affect the billing under this rate.	

Anchor Based Poles

1.	Anchor base, if provided and installed by Company. This charge is in addition to the following pole charges:	9.03
2.	One anchor based metal pole 28 feet in length and up to 100 feet of overhead secondary line or underground secondary line if customer provides earthwork and conduit.	18.65
3.	One anchor based square metal pole 27 feet in length and up to 100 feet of overhead secondary line or underground secondary line if customer provides earthwork and conduit.	20.95
4.	One anchor based square metal pole 31 feet in length and up to 100 feet of overhead secondary line or underground secondary line if customer provides earthwork and conduit.	22.95
5.	One anchor based square metal pole 37 feet in length and up to 100 feet of overhead secondary line or underground secondary line if customer provides earthwork and conduit.	25.85

- NOTES:
1. 20,000 lumen lights should be mounted on 35 foot wood poles or 38-1/2 or 40-1/2 foot metal poles.
  2. 30,000 or 50,000 lumen lights should be mounted on 38-1/2 or 40-1/2 foot metal poles or on wood poles sufficient to provide a minimum luminaire mounting height of 34-1/2 feet.
  3. The architectural luminaire cannot be mounted on any pole except the square metal pole.

V. ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

SPECIAL PROVISIONS

1. The 4,000 and 7,000 lumen lamps use an open glass diffuser. All units are controlled by a photoelectric switch.
2. The Customer is not authorized to make connections to the lighting circuits or to make attachments.
3. Should a Customer request a relocation of a dusk-to-dawn lighting installation, the costs of such relocation shall be paid by the Customer.
4. The Customer is expected to notify the Company when lamp outages occur, or when photoelectric switch fails to operate.
5. The Company will use diligence in maintaining service; however, monthly bills will not be reduced because of lamp outages.
6. The Customer may cancel a lighting service agreement by payment of the monthly bill including the applicable tax adjustment, multiplied by the number of remaining months of the initial agreement, or the calculated installation and removal costs for the extension, whichever is lower.

(CONTINUED ON PAGE 5)

SPECIAL FACILITIES

When Customer requests special (non-standard) Dusk-to-Dawn lighting facilities not provided by Company as standard, Company will use its best efforts to install, operate and maintain such facilities.

If the Company installs such special facilities, there will be an additional charge equal to 1-1/2 percent per month of the excess cost to the Company over standard facilities at time of installation and the maintenance of such facilities will be subject to time and ability to purchase replacement parts at reasonably equivalent prices of standard equipment. When the Company is currently using more than one standard for a particular type of installation, the excess cost to the Company shall be determined from the standard equipment with the highest cost within the range of standards for that particular type of installation.

The Customer may elect to substitute a one-time contribution in aid of construction equal to the excess costs in lieu of the additional charge.

The Company may decline to continue maintenance of special facilities due to inability to purchase replacement parts at reasonably equivalent prices of standard equipment. In this event, the Customer may elect to supply the required parts at no cost to the Company and the Company will then continue to maintain such facilities.

CONTRACT PERIOD

All Dusk-to-Dawn lighting installations will require a written agreement for service for three (3) years or longer at Company's option.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: March 16, 1989

A.C.C. No. 5384  
 Cancelling A.C.C. No. 5340  
 Tariff or Schedule No. E-51  
 Revision No. 10  
 Effective: October 1, 1999

OPTIONAL ELECTRIC SERVICE FOR QUALIFIED COGENERATION  
 AND SMALL POWER PRODUCTION FACILITIES OVER 100 KW

AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served and when all applicable provisions described herein have been met.

APPLICATION

Applicable only to qualified cogeneration and small power production facilities greater than 100 kW that meet qualifying status as defined under 18 CFR, Chapter 1, Part 292, Subpart B of the Federal Energy Regulatory Commission regulations and pursuant to the Arizona Corporation Commission's Decision No. 52345. The facility's generator(s) and load must be located at the same premise.

Applicable only to those customers being served on the Company's Rate Schedule E-51 prior to July 1, 1996.

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by Customer subject to availability at Customer's premise.

MONTHLY BILL

The monthly bill shall be the sum of the amounts computed under A, B, C., and D. below, including the applicable Adjustments:

A. Basic Service

\$8.00 per month Cogeneration Basic Service Charge, plus  
 \$24.00 per month per each generator meter

B. Supplemental Service

In accordance with the rate levels contained in General Service Rate Schedule E-32 or E-34, whichever is applicable based upon Customer's maximum Supplemental demand.

C. Standby Service

1. Monthly Reservation Charge of \$2.11 per kW of Contract Standby Capacity, to be adjusted as specified on page 2, plus
2. Standby Energy Charge:
 

June - October	\$0.04661 per kWh on-peak
Billing Cycles	\$0.02170 per kWh off-peak
(Summer)	
November - May	\$0.03313 per kWh on-peak
Billing Cycles	\$0.02170 per kWh off-peak
(Winter)	

D. Maintenance Service

\$0.02170 per kWh of maintenance energy

(CONTINUED ON REVERSE SIDE)

#### DETERMINATION OF MONTHLY RESERVATION CHARGE

For initial service, the Monthly Reservation Charge shall be: the product of [\$21.05/kW multiplied by a Forced Outage Rate (FOR) of 10%] multiplied by the customer's applicable Contract Standby Capacity. At the end of the first 5 summer billing months, the initial FOR of 10% will be replaced by the actual FOR experienced by the cogeneration system during on-peak summer hours. Customer's summer on-peak FOR will then be reevaluated annually each November for the preceding 12-month period to be used in the calculation of Customer's Reservation Charge for the current and succeeding 11 months.

#### DETERMINATION OF SUPPLEMENTAL SERVICE

Supplemental service shall be defined as demand and energy contracted by Customer to augment the power and energy generated by Customer's generation facility.

Supplemental demand shall be equal to the maximum 15 minute integrated kW demand as calculated for every 15-minute interval as the demand of the Supply meter plus the demand of the Generator meter(s) less the Contract Standby Capacity of Customer's cogeneration(s).

Supplemental energy shall be equal to all energy supplied to Customer as determined from readings of the Supply meter, less any energy determined to be either Standby or Maintenance energy as defined in this Schedule.

#### DETERMINATION OF STANDBY ENERGY

Standby Energy shall be defined to be electric energy supplied by Company to replace power ordinarily generated by Customer's generation facility during unscheduled full and partial outages of said facility.

When the sum of the energy measured on both the Supply and Generator(s) Meters is greater than the maximum energy output of the generator(s) at Contract Standby Capacity, the Standby Energy shall be equal to the summation of the differences between the maximum energy output of the generator(s) at Contract Standby Capacity and the energy measured on the Generator Meter(s) for every 15-minute interval of the month, except when maintenance power is being utilized or those intervals where energy measured on the Supply Meter is zero. When the sum of the energy measured on both the Supply and Generator(s) Meters is less than the maximum energy output of the generator(s) at Contract Standby Capacity, then the Standby energy shall be that energy measured on the Supply Meter.

All Standby Energy exceeding 250 kWh/kW of Contract Standby Capacity in a monthly billing period will be billed at the otherwise applicable rate for Supplemental Service.

#### DETERMINATION OF MAINTENANCE ENERGY

Maintenance energy shall be defined as energy supplied to Customer up to a maximum of the Contract Standby Capacity times the hours in the Scheduled Maintenance period for that energy used only during the Scheduled Maintenance period. Maintenance periods shall not exceed 30 days per cogeneration unit during any consecutive 12-month period and must be scheduled during the winter billing months. Customer shall supply Company with Maintenance Schedule for a 12-month period at least 60 days prior to the beginning of that period, which shall be subject to Company approval. Energy used in excess of a 30-day period or unauthorized maintenance energy shall be billed on either the Standby or Supplemental Rate as specified in this Schedule.

#### METERING

The Company will install a Supply Meter at its point of delivery to Customer and a Generator Meter(s) at the point(s) of output from each of Customer's generators. All meters will record integrated demand and energy on the same 15-minute interval basis as specified by Company.

#### DEFINITIONS

1. Contract Standby Capacity - the measured kW output of each cogeneration unit at time of start-up test, which will be re-evaluated annually each November and specified in Customer's Agreement for Service, however, not to exceed Customer's actual total load.
2. Forced Outage Rate - the ratio of the standby energy used during the Customer's summer on-peak hours to the product of the Contract Standby Capacity multiplied by the total customer's summer on-peak hours.
3. Generator Meter - the time-of-use meter used to measure in 15-minute intervals the total power and energy output of each of Customer's cogeneration units.
4. Supply Meter - the time-of-use meter used to measure in 15-minute intervals the total power and energy supplied by Company to Customer.

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5. Time Periods - On-Peak Period: 11 a.m. - 9 p.m. Monday through Friday

Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

TERMINATION PROVISION

Should Customer cease to operate his cogeneration unit(s) for 60 consecutive days during periods other than planned scheduled maintenance periods, Company reserves the option to terminate the Agreement for service under this rate schedule with Customer.

CONTRACT PERIOD

As provided in Company's Agreement for Service.

TERMS AND CONDITIONS

Customer must enter into an Agreement for the Interconnection and The Sale of Power with Company. Customer will not have the option to sell power and energy to Company under this tariff. Should Customer desire to do so, Customer must terminate service under this Rate Schedule and enter into another Special Agreement.

FROZEN

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: July 1, 1996

A.C.C. No. 5385  
 Cancelling A.C.C. No. 5341  
 Tariff or Schedule No. E-52  
 Revision No. 3  
 Effective Date: October 1, 1999

ELECTRIC SERVICE FOR PARTIAL REQUIREMENTS SERVICE  
OF LESS THAN 3,000 KW

I. AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served and when all applicable provisions described herein have been met.

II. APPLICATION

Applicable to any non-residential customer requiring Partial Requirements services, Supplemental Power, Standby Power or Maintenance Energy with an aggregate Partial Requirements service load of less than 3,000 kW. Customer may elect to take any of the Partial Requirements services offered hereunder, Supplemental Power, Standby Power and Maintenance Power independently of one another or in combination with one another as required.

Each customer shall be allowed to designate the specific periods and hours within a month for which utilization of Standby Service is required (see Designated Standby Service Hours).

III. TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by Customer subject to availability at Customer's premise.

IV. MONTHLY BILL

The monthly bill shall be the sum of the amounts computed under A., B., C., and D. below, including the applicable Adjustments:

A. Basic Service

\$ 106.79 per month Basic Service Charge, plus  
 \$ 17.06 per month for each Generator Meter

B. Supplemental Service

In accordance with the rate levels contained in General Service Rate Schedule E-32 excluding the monthly Basic Service Charge.

C. Standby Service

The monthly charge for Standby Service shall be the sum of the amounts computed in accordance with sections 1 and 2 below:

## 1. Monthly Reservation Charge of either a, b or c:

- a. \$5.33 per kW of Contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor of 90% or greater during the billing month.
- b. \$7.01 per kW of contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor between 80% - 89.9% during the billing month.
- c. Standby Service customers whose alternate supply resource(s) achieved an aggregate capacity factor of less than 80% during a billing month shall be assessed the same charge as set forth in Section VIII of this rate schedule.

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2. Standby Energy Charge:

June - October	\$0.03149 per kWh on-peak
Billing Cycles (Summer)	\$0.01674 per kWh off-peak
November - May	\$0.02698 per kWh on-peak
Billing Cycles (Winter)	\$0.01070 per kWh off-peak

The charges for Standby Service contained in Section C herein reflect the Company's costs to serve Standby Service loads. For applications where the charges for Standby Service stated herein are not competitive with customer installed standby resource alternatives, the Company may negotiate alternate Monthly Reservation Charges from those contained in this rate schedule; however, the maximum discount allowed shall not be greater than fifty percent (50%) of the Reservation Charges stated herein; however, such discount shall not result in a reservation charge lower than the Company's long run capacity costs associated with this service. No changes to the Standby Energy Charge rate component shall be allowed.

To be eligible for negotiated Monthly Reservation Charges different than those contained herein, the customer must demonstrate to the Company's satisfaction and provide conclusive documentation (e.g., engineering studies, analysis, etc.) that the customer's on-site self-generation resource(s) would be a lower cost option over the life of the equipment than had the customer subscribed to Standby Service from the Company. Notwithstanding the potential competitiveness of the customer's self generation standby facilities, the Company in its sole opinion, shall have the option of not offering any discounts to the otherwise applicable Reservation Charge.

D. Maintenance Service

\$0.02698 per kWh on-peak  
\$0.01070 per kWh off-peak

E. Energy Rates

The energy rates in Sections C and D above are based on the Company's estimated marginal costs and will be updated annually to reflect changes in the Company's fuel costs.

V. DETERMINATION OF SUPPLEMENTAL SERVICE

Supplemental service shall be defined as demand and energy contracted by Customer to augment the power and energy generated by Customer's generation facility.

Supplemental demand shall be the highest 15-minute interval during the billing month which shall equal the (a) 15-minute integrated kW demand calculated for every 15-minute interval as recorded on the Supply Meter, plus (b) the simultaneous 15 minute integrated kW demand as recorded on the Generator Meter(s), less (c) the aggregate Contract Standby Capacity of all the customer's generating units; however, the result shall never be less than zero (0) for purposes of determining Supplemental Demand. If Company authorized scheduled maintenance was being performed on any of the customer's generators at the time of the highest 15 minute interval during the billing month, the amount of demand recorded on the Supply Meter shall be reduced by the applicable Maintenance Power Level (as determined in Section VII hereof) of the generator unit(s) undergoing authorized scheduled maintenance for purposes of calculating supplemental demand used for billing.

Customer's maximum Supplemental Service kW requirements shall not exceed that established in the Electric Supply Agreement.

Supplemental energy shall be equal to all energy supplied to Customer as determined from readings of the Supply Meter, less any energy determined to be either Standby or Maintenance energy as defined in this Schedule.

VI. DETERMINATION OF STANDBY ENERGY

Standby Energy shall be defined to be electric energy supplied by Company to replace power ordinarily generated by Customer's generation facility during unscheduled full and partial outages of said facility.

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When the sum of the energy measured on both the Supply and Generator(s) Meters during simultaneous periods is greater than the maximum energy output of the generator(s) at Contract Standby Capacity, the Standby Energy shall be equal to the summation of the differences between the maximum energy output of the generator(s) at Contract Standby Capacity and the energy measured on the Generator Meter(s) for every 15-minute interval of the month, except when maintenance power is being utilized or those intervals where energy measured on the Supply Meter is zero. When the sum of the energy measured on both the Supply and Generator(s) Meter is equal to or less than the maximum energy output of the generator(s) at Contract Standby Capacity, then the Standby energy shall be that energy measured on the Supply Meter.

#### VII. DETERMINATION OF MAINTENANCE ENERGY

Maintenance energy shall be defined as energy supplied to Customer to replace energy normally supplied by the Customer's generator(s) during an authorized Scheduled Maintenance period.

Maintenance periods shall not exceed 30 days per cogeneration unit during any consecutive 12-month period and must be scheduled during the non-Summer billing months. Customer shall provide Company with its planned maintenance schedule 12 months in advance of any planned maintenance in order for the Company to coordinate customer's scheduled maintenance with that of the Company. Upon review, Company shall either approve customer's planned maintenance schedule or notify customer of alternate acceptable periods. Customer, in turn, shall notify the Company of an acceptable alternate maintenance period(s), and shall also confirm with the Company its intention to perform its planned maintenance 45 days prior to the actual commencement date of the planned maintenance period.

Any energy used in excess of a 30-day period or unauthorized maintenance energy shall be billed on either the Standby or Supplemental Rate as specified in this Schedule.

Maintenance energy, during a Company authorized period of scheduled maintenance to a customer's generation unit(s), shall be determined as follows:

Maintenance Power Level = (Contract Standby Capacity) X (Generating Unit(s) Capacity Factor for the most recent 12 months)

The maintenance power level as determined by the above formula shall not exceed any actual 15 minute interval of integrated kW demand as recorded on the supply meter.

If customer has less than 12 months of billing history on Standby Service, use the capacity factor demonstrated to date; however, not less than one full month.

Maintenance Energy = (Maintenance Power Level) X (hours of maintenance authorized by Company during billing month)

#### VIII. CAPACITY FACTOR STANDARDS

Customer's generating unit(s) must maintain a Capacity Factor of no less than 75% over a continuous rolling 18 month period to remain eligible to receive Standby Service under this rate schedule. The calculation of the Capacity Factor is designed so that the customer shall not be subject to this Capacity Factor Standard provision for any purpose other than substandard operational performance of the customer's generating unit(s) recognizing that the customer's load profile may not require the full output capability of such generation unit(s). If the Capacity Factor falls below 75%, in lieu of the otherwise applicable Reservation Charge for Standby Service, the customer shall be assessed a monthly Reservation Charge the greater of:

1. \$19.99 per kW/month X 2.3 X Contract Standby Capacity; or
2. \$19.99 per kW month X Maximum Standby Capacity  
(If customer's system is directly interconnected with the Company's bulk transmission system, the applicable Reservation Charge shall be \$15.30 per kW per month.)

Maximum Standby Capacity is intended to represent the maximum 15-minute interval of Standby Power provided the customer by the Company during the billing month. Maximum Standby Capacity shall equal the highest 15-minute interval during the billing month of the following calculation:

$$MSC = \Sigma CSC - \text{Maint.}$$

Where:

MSC = Maximum 15-minute interval during the billing month of Standby Power (kW) being supplied by Company.

$\Sigma CSC$  = The aggregate Contract Standby Capacity of all the customer's self-generation units.

Maint = The simultaneous 15-minute interval of any Maintenance Power (kW) being supplied to customer by the Company.

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**IX. METERING**

The Company will install a Supply Meter at its point of delivery to Customer and a Generator Meter(s) at the point(s) of output from each of Customer's generators. All meters will record integrated demand and energy on the same 15-minute interval basis as specified by Company.

**X. DEFINITIONS**

1. Contract Standby Capacity - for each specific customer generating unit for which the Company is providing Standby Service, Contract Standby Capacity shall be the greater of: a) the measured kW output of each customer self-generation unit at time of start-up test, or b) the highest 15 minute measured kW output of each generating unit, however, not to exceed Customer's actual total load.
2. Generator Meter - the time-of-use meter used to measure in 15-minute intervals the total power and energy output of each cogeneration unit.
3. Designated Standby Service Hours - Customers requiring Standby Service for less than the total hours in a billing month shall be allowed to designate those periods and hours of a month when Standby Service is required. These Designated Standby Service Hours shall represent those hours within a billing month during which the customer is authorized to utilize Standby Service. Use during any period or hours other than Designated Standby Service Hours shall represent an Unauthorized Use of Standby Service subject to certain special provisions for determining the appropriate Capacity Factor value during billing periods when unauthorized Standby Service was utilized. Such hours shall be specified in whole hour intervals beginning on an hour for each designated day of the week. Designated Standby Service Hours shall never total less than 280 hours a billing month.
4. Capacity Factor - for purposes of this rate schedule, capacity factor shall mean the capacity factor of the customer's generating unit(s) and shall not reflect any period of time during a billing month that Company authorized Maintenance Power was being utilized. The Capacity factor shall be calculated in accordance with the following formula:

$$\text{Capacity Factor} = \frac{\text{Actual customer generated kWh's during the billing month}}{A}$$

For purposes of use in this rate schedule, the value of the capacity factor calculation shall never exceed 100%.

Where:

A = The lesser of: a) [(Contract Standby Capacity) X (MH)]; or  
b) CTL

MH = The number of Designated Standby Service Hours in the billing month, exclusive of any hours during the billing month that customer's unit(s) were non-operational during Company authorized scheduled maintenance, for which the customer has contracted for Standby Service (but not less than 280 hours per billing month).

In the event the customer utilizes Standby Service in any period other than during Designated Standby Service Hours, MH shall be represented as the actual number of hours in the billing month (exclusive of any hours during which the customer was receiving Company authorized scheduled Maintenance Energy).

Furthermore, in the event there are more than two (2) instances in any 12 month rolling period of Unauthorized Use of Standby Service, MH shall be represented as the actual number of hours in the billing month (exclusive of any hours during which the customer was receiving Company authorized scheduled Maintenance Energy) for the month during which the third breach of service occurred, and for the next three months thereafter. At the end of any three month breach period, a new twelve (12) month rolling period shall commence for determining the number of instances of Unauthorized Use.

CTL = Customer's maximum total load during the billing month during the Designated Standby Service Hours for which the Customer has contracted for Standby Service (but not less than 280 hours per month).

CTL shall represent the customer's maximum total load during the hours in the billing month for which use of Standby Service has been authorized as set forth in the definition of Designated Standby Service Hours. CTL shall be calculated by first adding the maximum simultaneous 15-minute kW peak periods as recorded on the Supply Meter and Generator Meter(s) during authorized periods of Standby Service the sum of which is then multiplied by MH.

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In the event the customer utilizes Standby Service during any period of a billing month other than those authorized, CTL shall represent the customer's maximum total (peak demand) load during the billing month calculated as the sum of the maximum simultaneous 15-minute kW peak period during the billing period recorded on the Supply Meter and the Generator Meter(s) during all hours of the billing month. CTL shall be similarly calculated for any other months during which the provision for breach of service explained in the definition of MH above is being assessed.

CTL shall only be used for calculating Capacity Factor in those months where the customer's maximum kW load is less than total Contract Standby Capacity.

4. Supply Meter - the time-of-use meter used to measure in 15-minute intervals the total power and energy supplied by Company to Customer.
5. Time Periods - On-Peak Period: 9 a.m. - 9 p.m. Monday through Friday  
Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

#### XI. ADJUSTMENTS

1. The applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

#### XII. TERMINATION PROVISION

Should Customer cease to operate his cogeneration unit(s) for 60 consecutive days during periods other than planned scheduled maintenance periods, Company reserves the option to terminate the Agreement for service under this rate schedule with Customer.

#### XIII. CONTRACT PERIOD

As provided in the Electric Supply Agreement between Company and Customer.

#### XIV. TERMS AND CONDITIONS

Customer must enter into an Agreement for the Interconnection and The Sale of Power with Company and an Electric Supply Agreement which shall establish all pertinent details related to interconnection and other required service standards. Customer will not have the option to sell power and energy to Company under this tariff. Should Customer desire to do so, Customer would be required to enter into a new Service Agreement which would set forth the applicable purchase rate in addition terms and conditions for interconnection and for the sale of power to the Company.

Customer will be required to contract for adequate standby power to cover the total output of all the customer's generators unless adequate facilities have been installed, to the satisfaction of APS, that isolate portions of the customer's load from APS' system so that APS will in no event be providing standby service in excess of Contracted Standby Capacity.

#### XV. CHANGE IN DESIGNATED STANDBY SERVICE HOURS

Customers shall be allowed no more than one (1) change in their Designated Standby Service Hours during any eighteen (18) month time period. In no event shall the total of Designated Standby Service Hours during a month fall below 280 hours.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: July 1, 1996

A.C.C. No. 5386  
 Cancelling A.C.C. No. 5342  
 Tariff or Schedule No. E-55  
 Revision No. 3  
 Effective Date: October 1, 1999

ELECTRIC SERVICE FOR PARTIAL REQUIREMENTS SERVICE  
3,000 KW OR GREATER

I. AVAILABILITY

In all territory served by Company at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served and when all applicable provisions described herein have been met.

II. APPLICATION

Applicable to any customer requiring Partial Requirements services, Supplemental Power, Standby Power or Maintenance Energy with an aggregate Partial Requirements service load of no less than 3,000 kW. Customer may elect to take any of the Partial Requirements services offered hereunder (Supplemental Power, Standby Power and Maintenance Power) independently of one another or in combination with one another as required.

Customers having Standby Service requirements not exceeding 2,999 kW shall be allowed to designate specific periods and hours within a month for which utilization of Standby Service is required (see Designated Standby Service Hours).

III. TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage as may be selected by Customer subject to availability at Customer's premise.

IV. MONTHLY BILL

The monthly bill shall be the sum of the amounts computed under A., B., C., and D. below, including the applicable Adjustments:

A. Basic Service

1. a) For applications no greater than 15,000 kW:

\$ 1,671.39 per month Basic Service Charge; plus

- b) For applications greater than 15,000 kW:

The monthly Basic Service Charge shall be \$1,671.39 plus an applicable adder for recovery of non-standard metering costs and related O&M expenses; plus

2. \$ 62.51 per month for each Generator Meter

B. Supplemental Service

In accordance with the rate levels contained in General Service Rate Schedule E-32, excluding the monthly Basic Service Charge (or E-34 if Supplemental Power requirements are 3,000 kW or more).

C. Standby Service

The monthly charge for Standby Service shall be the sum of the amounts computed in accordance with sections 1, 2 and 3 below:

1. For customers taking service at voltage levels of less than 69 kV, a Monthly Reservation Charge of either a, b, c or d:

a. \$ 4.36 per kW of Contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor of 95% or greater during the billing month.

b. \$ 5.33 per kW of Contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor between 90% - 94.9% during the billing month.

c. \$ 7.01 per kW of Contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor between 80% - 89.9% during the billing month.

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d. Standby Service customers whose alternate supply resource(s) achieved an aggregate capacity factor of less than 80% during a billing month shall be assessed the same charge as set forth in Section VIII.A of this rate schedule.

2. For customers who take service at voltage levels of 69 kV or greater, a Monthly Reservation Charge of either a, b, c or d:

a. \$ 1.50 per kW of Contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor of 95% or greater during the billing month.

b. \$ 2.39 per kW of Contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor between 90% - 94.9% during the billing month.

c. \$ 4.26 per kW of Contract Standby Capacity for Standby Service customers with alternate supply resources demonstrating an aggregate Capacity Factor between 80% - 89.9% during the billing month.

d. Standby Service customers whose alternate supply resource(s) achieved an aggregate capacity factor of less than 80% during a billing month shall be assessed the same charge as set forth in Section VIII.B of this rate schedule.

3. Standby Energy Charge:

June - October	\$0.03149 per kWh on-peak
Billing Cycles	\$0.01674 per kWh off-peak
(Summer)	
November - May	\$0.02698 per kWh on-peak
Billing Cycles	\$0.01070 per kWh off-peak
(Winter)	

The charges for Standby Service contained in Section C herein reflect the Company's costs to serve Standby Service loads. For applications where the charges for Standby Service stated herein are not competitive with customer installed standby resource alternatives, the Company may negotiate alternate Monthly Reservation Charges from those contained in this rate schedule; however, the maximum discount allowed shall not be greater than fifty percent (50%) of the Reservation Charges stated herein; however, such discount shall not result in a reservation charge lower than the Company's long run capacity costs associated with this service. No changes to the Standby Energy Charge rate component shall be allowed.

To be eligible for negotiated Monthly Reservation Charges different than those contained herein, the customer must demonstrate to the Company's satisfaction and provide conclusive documentation (e.g., engineering studies, analysis, etc.) that the customer's on-site self-generation resource(s) would be a lower cost option over the life of the equipment than had the customer subscribed to Standby Service from the Company. Notwithstanding the potential competitiveness of the customer's self generation standby facilities, the Company in its sole opinion, shall have the option of not offering any discounts to the otherwise applicable Reservation Charge.

D. Maintenance Service

\$0.02698 per kWh on-peak
\$0.01070 per kWh off-peak

E. Energy Rates

The energy rates in Sections C and D above are based on the Company's estimated marginal costs and will be updated annually to reflect changes in the Company's fuel costs.

#### V. DETERMINATION OF SUPPLEMENTAL SERVICE

Supplemental service shall be defined as demand and energy contracted by Customer to augment the power and energy generated by Customer's generation facility.

Supplemental demand shall be the highest 15-minute interval during the billing month which shall equal the (a) 15-minute integrated kW demand calculated for every 15-minute interval as recorded on the Supply Meter, plus (b) the simultaneous 15 minute integrated kW demand as recorded on the Generator Meter(s), less (c) the aggregate Contract Standby Capacity of all the customer's generating units; however, the result shall never be less than zero (0) for purposes of determining Supplemental Demand. If Company authorized scheduled maintenance was being performed on any of the customer's generators at the time of the highest 15 minute interval during the billing month, the amount of demand recorded on the Supply Meter shall be reduced by the applicable Maintenance Power Level (as determined in Section VII hereof) of the generator unit(s) undergoing authorized scheduled maintenance for purposes of calculating supplemental demand used for billing.

Customer's maximum Supplemental Service kW requirements shall not exceed that established in the Electric Supply Agreement.

(CONTINUED ON NEXT PAGE)

Supplemental energy shall be equal to all energy supplied to Customer as determined from readings of the Supply Meter, less any energy determined to be either Standby or Maintenance energy as defined in this Schedule.

#### VI. DETERMINATION OF STANDBY ENERGY

Standby Energy shall be defined to be electric energy supplied by Company to replace power ordinarily generated by Customer's generation facility during unscheduled full and partial outages of said facility.

When the sum of the energy measured on both the Supply and Generator(s) Meters during simultaneous periods is greater than the maximum energy output of the generator(s) at Contract Standby Capacity, the Standby Energy shall be equal to the summation of the differences between the maximum energy output of the generator(s) at Contract Standby Capacity and the energy measured on the Generator Meter(s) for every 15-minute interval of the month, except when maintenance power is being utilized or those intervals where energy measured on the Supply Meter is zero. When the sum of the energy measured on both the Supply and Generator(s) Meter is equal to or less than the maximum energy output of the generator(s) at Contract Standby Capacity, then the Standby energy shall be that energy measured on the Supply Meter.

#### VII. DETERMINATION OF MAINTENANCE ENERGY

Maintenance energy shall be defined as energy supplied to Customer to replace energy normally supplied by the Customer's generator(s) during an authorized Scheduled Maintenance period.

Maintenance periods shall not exceed 30 days per cogeneration unit during any consecutive 12-month period and must be scheduled during the non-Summer billing months. Customer shall provide Company with its planned maintenance schedule 12 months in advance of any planned maintenance in order for the Company to coordinate customer's scheduled maintenance with that of the Company. Upon review, Company shall either approve customer's planned maintenance schedule or notify customer of alternate acceptable periods. Customer, in turn, shall notify the Company of an acceptable alternate maintenance period(s), and shall also confirm with the Company its intention to perform its planned maintenance 45 days prior to the actual commencement date of the planned maintenance period.

Any energy used in excess of a 30-day period or unauthorized maintenance energy shall be billed on either the Standby or Supplemental Rate as specified in this Schedule.

Maintenance energy, during a Company authorized period of scheduled maintenance to a customer's generation unit(s), shall be determined as follows:

Maintenance Power Level = (Contract Standby Capacity) X (Generating Unit(s) Capacity Factor for the most recent 12 months)

The maintenance power level as determined by the above formula shall not exceed any actual 15 minute interval of integrated kW demand as recorded on the supply meter.

If customer has less than 12 months of billing history on Standby Service, use the capacity factor demonstrated to date; however, not less than one full month.

Maintenance Energy = (Maintenance Power Level) X (hours of maintenance authorized by Company during billing month)

#### VIII. CAPACITY FACTOR STANDARDS

Customer's generating unit(s) must maintain a Capacity Factor of no less than 75% over a continuous rolling 18 month period to remain eligible to receive Standby Service under this rate schedule. The calculation of the Capacity Factor is designed so that the customer shall not be subject to this Capacity Factor Standard provision for any purpose other than substandard operational performance of the customer's generating unit(s) recognizing that the customer's load profile may not require the full output capability of such generation unit(s). If the Capacity Factor falls below 75%, in lieu of the otherwise applicable Reservation Charge for Standby Service, the customer shall be assessed a monthly Reservation Charge the greater of:

- A. For customers taking service at voltage levels of less than 69 kV:
  - 1. \$ 22.04 per kW month X 2.3 X Contract Standby Capacity; or
  - 2. \$ 22.04 per kW month X Maximum Standby Capacity  
(If customer's system is directly interconnected with the Company's bulk transmission system, the applicable Reservation Charge shall be \$ 18.70 per kW per month.)
- B. For customers who take service at voltage levels of 69 kV or greater:
  - 1. \$ 19.62 per kW month X 2.3 X Contract Standby Capacity; or

2. \$ 19.62 per kW/month X Maximum Standby Capacity

(If customer's system is directly interconnected with the Company's bulk transmission system, the applicable Reservation Charge shall be \$ 18.76 per kW per month.)

Maximum Standby Capacity is the maximum 15-minute interval of Standby Power provided the customer by the Company during the billing month. Maximum Standby Capacity shall equal the highest 15-minute interval during the billing month of the following calculation:

$$MSC = \Sigma CSC - \text{Maint.}$$

Where:

MSC = Maximum 15-minute interval during the billing month of Standby Power (kW) being supplied by Company.

$\Sigma$ CSC = The aggregate Contract Standby Capacity of all the customer's self-generation units.

Maint = The simultaneous 15-minute interval of any Maintenance Power (kW) being supplied to customer by the Company.

IX. METERING

The Company will install a Supply Meter at its point of delivery to Customer and a Generator Meter(s) at the point(s) of output from each of Customer's generators. All meters will record integrated demand and energy on the same 15-minute interval basis as specified by Company.

X. DEFINITIONS

1. Contract Standby Capacity - for each specific customer generating unit for which the Company is providing Standby Service, Contract Standby Capacity shall be the greater of a) the measured kW output of each customer self-generation unit at time of start-up test, or b) the highest 15 minute measured kW output of each generating unit, however, not to exceed Customer's actual total load.
2. Generator Meter - the time-of-use meter used to measure in 15-minute intervals the total power and energy output of each cogeneration unit.
3. Designated Standby Service Hours - Customers requiring Standby Service for less than the total hours in a billing month shall be allowed to designate those periods and hours of a month when Standby Service is required. These Designated Standby Service Hours shall represent those hours within a billing month during which the customer is authorized to utilize Standby Service. Use during any period or hours other than Designated Standby Service Hours shall represent an Unauthorized Use of Standby Service subject to certain special provisions for determining the appropriate Capacity Factor value during billing periods when unauthorized Standby Service was utilized. Such hours shall be specified in whole hour intervals beginning on an hour for each designated day of the week. Designated Standby Service Hours shall never total less than 365 hours a billing month. This provision is applicable only to those customers whose Standby Service requirements are less than 3,000 kW.
4. Capacity Factor - for purposes of this rate schedule, capacity factor shall mean the capacity factor of the customer's generating unit(s) and shall not reflect any period of time during a billing month that Company authorized Maintenance Power was being utilized. The Capacity factor shall be calculated in accordance with the following formula:

$$\text{Capacity Factor} = \frac{\text{Actual customer generated kWh's during the billing month}}{A}$$

For purposes of use in this rate schedule, the value of the capacity factor calculation shall never exceed 100%.

Where:

- A = The lesser of: a) [(Contract Standby Capacity) X (MH)]; or  
b) CTL

Customers having Standby Service Requirements of 3,000 kW or greater:

MH = Hours in the billing month exclusive of any hours during the billing month that customer's unit(s) were non-operational during Company authorized scheduled maintenance.

CTL = Customer's maximum total load during the billing month as determined by the total of energy generated on customer's generating unit as recorded on the Generator Meter plus all energy provided by Company during the billing month (exclusive of maintenance energy) as recorded on the Supply Meter

(CONTINUED ON NEXT PAGE)

Customers having Standby Service Requirements of less than 3,000 kW:

MH = The number of Designated Standby Service Hours in the billing month, exclusive of any hours during the billing month that customer's unit(s) were non-operational during Company authorized scheduled maintenance, for which the customer has contracted for Standby Service (but not less than 365 hours per billing month). In the event the customer utilizes Standby Service in any period other than during Designated Standby Service Hours, MH shall be represented as the actual number of hours in the billing month (exclusive of any hours during which the customer was receiving Company authorized scheduled Maintenance Energy).

Furthermore, in the event there are more than two (2) instances in any 12 month rolling period of Unauthorized Use of Standby Service, MH shall be represented as the actual number of hours in the billing month (exclusive of any hours during which the customer was receiving Company authorized scheduled Maintenance Energy) for the month during which the third breach of service occurred, and for the next three months thereafter. At the end of any three month period, a new twelve (12) month rolling period shall commence for determining the number of instances of Unauthorized Use.

CTL = Customer's maximum total load during the billing month during the Designated Standby Service Hours for which the Customer has contracted for Standby Service (but not less than 365 hours per month) as determined by the total of energy generated on customer's generating unit as recorded on the Generator Meter plus all energy provided by Company during the billing month (exclusive of maintenance energy) as recorded on the Supply Meter.

CTL shall represent the customer's maximum total load during the hours in the billing month for which use of Standby Service has been authorized as set forth in the definition of Designated Standby Service Hours. CTL shall be calculated by first adding the maximum simultaneous 15-minute kW peak periods as recorded on the Supply Meter and Generator Meter(s) during authorized periods of Standby Service the sum of which is then multiplied by MH.

In the event the customer utilizes Standby Service during any period of a billing month other than those authorized, CTL shall represent the customer's maximum total load (peak demand) during the billing month calculated as the sum of the maximum simultaneous 15-minute kW peak period during the billing period recorded on the Supply Meter and the Generator Meter(s) during all hours of the billing month. CTL shall be similarly calculated for any other months during which the provision for breach of service explained in the definition of MH above is being assessed.

CTL shall only be used for calculating Capacity Factor in those months where the customer's maximum kW load is less than total Contract Standby Capacity.

5. Supply Meter - the time-of-use meter used to measure in 15-minute intervals the total power and energy supplied by Company to Customer.

6. Time Periods - On-Peak Period: 9 a.m. - 9 p.m. Monday through Friday  
Off-Peak Period: All Other Hours

Mountain Standard Time shall be used in the application of this rate schedule. In addition, to prevent radical changes in the system loads the beginning and ending hours for individual customers may be varied by up to one hour (total hours in each time period to remain unchanged) and because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

7. Unauthorized Use - any period or hour of the month that the customer utilized Standby Service other than Designated Standby Service Hours.

#### XI. ADJUSTMENTS

The applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

#### XII. TERMINATION PROVISION

Should Customer cease to operate his cogeneration unit(s) for 60 consecutive days during periods other than planned scheduled maintenance periods, Company reserves the option to terminate the Agreement for service under this rate schedule with Customer.

#### XIII. CONTRACT PERIOD

As provided in the Electric Supply Agreement between Company and Customer.

XIV. TERMS AND CONDITIONS

Customer must enter into an Agreement for the Interconnection and The Sale of Power with Company and an Electric Supply Agreement which shall establish all pertinent details related to interconnection and other required service standards. Customer will not have the option to sell power and energy to Company under this tariff. Should Customer desire to do so, Customer would be required to enter into a new Service Agreement which would set forth the applicable purchase rate in addition terms and conditions for interconnection and for the sale of power to the Company.

Customer will be required to contract for adequate standby power to cover the total output of all the customer's generators unless adequate facilities have been installed, to the satisfaction of APS, that isolate portions of the customer's load from APS' system so that APS will in no event be providing standby service in excess of Contracted Standby Capacity.

XV. CHANGE IN DESIGNATED STANDBY SERVICE HOURS

Customers for which Designated Standby Service Hours is applicable shall be allowed no more than one (1) change in their Designated Standby Service Hours during any eighteen (18) month time period. In no event shall the total of Designated Standby Service Hours during a month fall below 365 hours.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: August 1, 1986

A.C.C. No. 5387  
 Cancelling A.C.C. No. 5343  
 Tariff or Schedule No. E-58  
 Revision No. 39  
 Effective: October 1, 1999

STREET LIGHTING SERVICEAVAILABILITY

In those portions of cities, towns and unincorporated communities in which Company does a general retail electric business and where Company has installed a multiple or series street lighting system of adequate capacity for the service to be rendered.

APPLICATION

To service for lighting public streets, alleys, thoroughfares, public parks and playgrounds by use of Company's facilities where such service for the whole area is contracted for from Company by the city, town, other governmental entities, or a responsible person for unincorporated communities.

Service is from dusk to dawn and Company will own (except as provided below), operate, and maintain the street lighting system including lamps and glass replacements.

The Incandescent Lamps & Standards, the Mercury Vapor Lamp, Luminaire and Bracket, and the Underground Circuit Charges (Parts III, IV, & V of this rate schedule) are applicable and available only to those customers being served and those installations in service on November 1, 1986.

MONTHLY BILL

<u>RATE</u>	<u>Investment Cost Provided By</u>	
	<u>Company</u>	<u>Others</u>
I. <u>Sodium Vapor Lighting Charges:</u>		
A. <u>High Pressure Sodium Lamps, luminaires &amp; Brackets</u> (Lumens and wattages are nominal initial ratings)		
5,800 lumens, 70 watts, HPS	\$10.11	\$ 3.54
9,500 lumens, 100 watts, HPS	11.11	4.00
16,000 lumens, 150 watts, HPS	12.74	5.14
30,000 lumens, 250 watts, HPS	16.49	7.91
50,000 lumens, 400 watts, HPS	17.82	11.06
B. <u>Low Pressure Sodium Lamps, luminaires &amp; Brackets</u> (Lumens and wattages are nominal initial ratings)		
8,000 lumens, 55 watts, LPS	\$9.94	\$ 3.80
13,500 lumens, 90 watts, LPS	13.51	5.30
22,500 lumens, 135 watts, LPS	16.09	7.11
33,000 lumens, 180 watts, LPS	18.51	8.77
II. <u>Pole Charges:</u>		
1. An existing distribution pole suitable for street light use	\$ 1.11	\$ 1.11
2. A wood pole for street lighting only for light center mounting heights of 35 feet or less	6.58	1.11
3. A metal or fiberglass pole for light center mounting heights of 28 feet or less	7.65	1.11
4. A metal pole for light center mounting heights between 29 feet and 40 feet	10.40	1.11
5. An anchor base used with Pole Types 3 or 4.	4.99	1.11

(CONTINUED ON REVERSE SIDE)

III. <u>Incandescent Lighting Charges:</u>		Investment Cost Provided By	
A. <u>Lamps</u>		<u>Company</u>	<u>Others</u>
	1,000 lumen incandescent	\$ 3.55	\$ 3.55
	2,500 lumen incandescent	5.13	5.13
	4,000 lumen incandescent	7.20	7.20
	6,000 lumen incandescent	9.65	9.65
	10,000 lumen incandescent	15.55	15.55
B. <u>Standards</u> (See "Special Provisions")			
	Type A	\$16.19	\$ 6.02
	Type B	11.74	4.94
	Type C	6.59	3.41
	Type D	4.51	2.82
	Type E	6.02	2.82
	Type F	3.79	—
	Type M	9.42	4.70
	Type N	6.59	—
	Type R	12.18	7.53
IV. <u>Mercury Vapor &amp; Metal Halide Lighting Charges:</u>			
	7,000 lumens, 175 watts, MV	\$ 9.33	\$ 5.35
	11,000 lumens, 250 watts, MV	11.68	7.12
	20,000 lumens, 400 watts, MV	18.34	10.39
V. <u>Underground Circuit Charges:</u>			
	Per foot of cable, installed under paving	\$ 0.11575	—
	Per foot of cable, not installed under paving	0.04117	—

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

SPECIAL PROVISIONS

Facilities and Service

Street lighting facilities installed under this rate are of the type currently being furnished by Company as standard at the time service is initially requested. Company will maintain current street lighting construction standards and endeavor to keep abreast of all modern methods and practices.

The Company will use diligence in maintaining service. Monthly bills will not be reduced on account of lamp outages.

Presently installed units which do not conform to the above types will be billed in accordance with the type which is most nearly like such units.

High pressure sodium and low pressure sodium lighting owned by the Company shall be supplied only in the event of a new installation or an individual street light replacement. Conversion of existing street lighting systems to high or low pressure sodium shall be limited by individual contract provisions and availability of Company equipment.

(CONTINUED ON PAGE 3)

### Special Facilities

When Customer requests special (non-standard) street lighting facilities not provided by Company as standard, Company will use its best efforts to install, operate and maintain such facilities.

If the Company installs such special facilities, there will be an additional charge equal to 1-1/2 percent per month of the excess cost to the Company over standard facilities at time of installation and the maintenance of such facilities will be subject to time and ability to purchase replacement parts at reasonably equivalent prices of standard equipment. When the Company is currently using more than one standard for a particular type of installation, the excess cost to the Company shall be determined from the standard equipment with the highest cost within the range of standards for that particular type of installation.

The Customer may elect to substitute a one-time contribution in aid of construction equal to the excess costs in lieu of the additional charge.

The Company may decline to continue maintenance of special facilities due to inability to purchase replacement parts at reasonably equivalent prices of standard equipment. In this event, the Customer may elect to supply the required parts at no cost to the Company and the Company will then continue to maintain such facilities.

### Extension of Street Lighting System

The Company will extend its standard street lighting system up to a distance of 300 feet for each additional lighting installation at the request of the customer. When the extension is underground the Customer will provide earthwork as specified in Section 6.1.2 of Schedule 3. The Company will provide the earthwork as specified in Section 6.1.2 of Schedule 3 at Customer's request for an additional monthly charge of 1-1/2 percent of its cost, or at option of Customer, a contribution in aid of construction equal to the cost of earthwork as specified in Section 6.1.2 of Schedule 3.

Additions to the street lighting system which are over 300 feet per installation or are of a non-standard nature not normally provided by the Company can be installed when the total cost to the Company of the installation does not exceed 6-1/2 times the annual revenue including the underground and/or special facilities charge. When the total cost to the Company of the installation does exceed 6-1/2 times the annual revenue, a monthly charge of 1-1/2 percent of the excess cost will be added to the billing in addition to any required special facilities charge and/or underground charge. Customer may elect to pay a contribution in aid of construction equal to such excess cost in lieu of the monthly charge of 1-1/2 percent.

Extensions to isolated areas requiring a substantial extension of the electric distribution system, as opposed to extension of the street lighting system, will require a special study to determine the conditions on which the Company will make such extension.

### Investment Cost Provided By Others

If the Customer elects to be billed under the column headed "Investment Cost Provided By Others", it must install the system at its own expense in accordance with the Company's specifications, or make a non-refundable advance to cover the Company's cost of installing the system. The Company will own, maintain and operate the system.

### The Company's Incandescent Street Light Standards Are As Follows:

- Type A - Enclosed glass luminaire with 8-foot or less up-sweep bracket mounted on 35-foot anchor base monotube or fluted steel pole.
- Type B - Enclosed glass luminaire with 8-foot or less up-sweep bracket mounted on 35-foot embedded base metal pole.\*
- Type C - Enclosed glass luminaire with 14-foot or less bracket mounted on wood pole carrying only street lighting equipment.
- Type D - Enclosed glass luminaire with 14-foot or less bracket mounted on wood pole carrying distribution circuits, or on other type pole paid for under another standard charge.
- Type E - Open type unit with 4-foot bracket mounted on wood pole carrying only street lighting equipment.
- Type F - Open type unit with 4-foot bracket mounted on wood pole carrying distribution circuits.
- Type M - Enclosed glass luminaire with 6-foot or less up-sweep bracket mounted on 30-foot embedded base metal pole.\*
- Type N - Identical to Type M except customer makes a contribution of \$50 per light.
- Type P - Incandescent pole top luminaire mounted on 23-foot steel pipe pole.

\*Steel pipe or tubular steel at Company's option.

(CONTINUED ON REVERSE SIDE)

CONTRACT PERIOD

Ten (10) years or more, at option of Company.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: November 18, 1997

A.C.C. No. 5388  
 Cancelling A.C.C. No. 5344  
 Tariff or Schedule No. E-59  
 Revision No. 2  
 Effective: October 1, 1999

ENERGY SERVICE FOR GOVERNMENT OWNED STREET LIGHTING SYSTEMSAVAILABILITY

In those portions of cities, towns and unincorporated communities in which Company does a general retail electric business and where Customer has installed or purchased a multiple or series street lighting system and Company has distribution facilities of adequate capacity for the service to be rendered.

APPLICATION

To provide energy service for lighting public streets, alleys, thoroughfares, public parks and playgrounds by use of Customer's facilities where such service for the whole area is contracted for from Company pursuant to the terms set forth herein by the city, town, other governmental entities, or a responsible person for unincorporated communities.

Service is from dusk to dawn and Customer will own, operate, and maintain the street lighting system including lamps and glass replacements but excluding distribution facilities installed by Company to serve the lighting system.

MONTHLY BILL

The monthly bill shall be the sum of the amounts computed under A. and B. below, including the applicable Adjustments:

A.	Service Charge per installed lamp	\$1.91
B.	Energy Charge per kWh	\$0.06236

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

SPECIAL PROVISIONS

Monthly billed energy is based upon the summation of the contracted energy rating of installed facilities specified in the streetlighting contract.

Monthly bills will not be reduced on account of lamp outages.

Presently installed units which do not conform to the types specified in Rate E-58 will be billed in accordance with the type which is most nearly like such units.

EXTENSION OF COMPANY DISTRIBUTION SYSTEM

The Company will extend its standard street distribution lighting system up to a distance of 300 feet for each additional lighting installation at the request of the Customer. When the extension is underground the Customer will provide earthwork as specified in Section 6.1.2 of Schedule 3. The Company will provide the earthwork as specified in Section 6.1.2 of Schedule 3 at Customer's request for an additional monthly charge of 1-1/2 percent of its cost, or at option of Customer, a contribution in aid of construction equal to the cost of earthwork as specified in Section 6.1.2 of Schedule 3.

Additions to the street lighting system which are over 300 feet per installation or are of a non-standard nature not normally provided by the Company can be installed when the total cost to the Company of the installation does not exceed 6-1/2 times the annual revenue including the underground and/or special facilities charge. When the total cost to the Company of the installation does exceed 6-1/2 times the annual revenue, a monthly charge of 1-1/2 percent of the excess cost will be added to the billing in addition to any required special facilities charge and/or underground charge. Customer may elect to pay a contribution in aid of construction equal to such excess cost in lieu of the monthly charge of 1-1/2 percent.

Extensions to isolated areas requiring a substantial extension of the electric distribution system, as opposed to extension of the street lighting system, will require a special study to determine the conditions on which the Company will make such extension.

CONTRACT PERIOD

A fixed period not less than 1 year and not to exceed 20 years, as agreed to by the Customer and as specified in the streetlighting contract.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: February 1, 1985

A.C.C. No. 5394  
 Cancelling A.C.C. No. 5236  
 Tariff or Schedule No. E-67  
 Revision No. 10  
 Effective: October 1, 1999

MUNICIPAL LIGHTING SERVICE - CITY OF PHOENIXAVAILABILITY

Within the City of Phoenix at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To all electric service except street lighting service, furnished for the lighting of alleys, buildings, and other public places owned or maintained by the City. Service to traffic signals is limited to those installations being served as of January 31, 1985, under the Agreement of April 4, 1930, as modified, between Central Arizona Light and Power Company and the City of Phoenix, and no new or reconnected traffic signal installations may be served after that time. Service must be supplied at one premise through one point of delivery and measured through one meter.

Not applicable to breakdown, standby, supplementary, or resale service.

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage (as may be selected by customer, subject to availability at the customer's premise). Transformation equipment is included in cost of extension.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

- |    |                |                               |
|----|----------------|-------------------------------|
| A. | <u>RATE</u>    | \$0.03702 per kWh for all kWh |
| B. | <u>MINIMUM</u> | None                          |

ADJUSTMENTS

Plus the applicable proportionate part of any taxes, or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: February 1, 1953

A.C.C. No. 5389  
 Cancelling A.C.C. No. 5345  
 Tariff or Schedule No. E-221  
 Revision No. 37  
 Effective: October 1, 1999

WATER PUMPING SERVICEAVAILABILITY

In all territory served by Company, at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To electric service required for irrigation pumping, and to electric service required by water utilities for pumping potable water to serve the citizens of a city, town, or unincorporated community. Service must be supplied at one point of delivery and measured through one meter.

Not applicable to breakdown, standby, supplementary or resale service.

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage (12,500; 2,400; 480; or 240 volts as may be selected by customer subject to availability at the premises). Measurement of service is at secondary voltage.

MONTHLY BILL

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A. RATE

\$15.00	Basic Service Charge, plus
1.74	for each kW, plus
0.10078	per kWh first 240 kWh
0.06851	per kWh next 275 kWh per kW
0.05625	per kWh all additional kWh

OPTIONAL  
TIME OF WEEK  
PROVISIONS

When Customer's measured kWh during the specified control period is:

(1)	2 kWh per kW or less	The base revenue will be adjusted by: (\$0.00772) per kWh for all kWh
(2)	Greater than 2 kWh per kW but less than or equal to 8 kWh per kW	\$ 0.00000 per kWh for all kWh
(3)	Greater than 8 kWh per kW	+\$ 0.00386 per kWh for all kWh

AVAILABILITY

Only available to those customers who have signed the Electric Supply Agreement regarding these provisions. The type of equipment required is nonstandard and therefore availability is limited. Additionally, the amount of equipment required is unknown. Consequently, Company cannot guarantee installation of the equipment required within any specific time.

CONTROL PERIOD

The control period will be a period from 9 a.m. to 10 p.m. for one assigned day of week, Monday through Friday, as specified by Company in the Electric Supply Agreement.

DETERMINATION OF KW

The average kW supplied during the 15-minute period of maximum use during the month, as determined from readings of the Company's meter, or at Company's option, by test.

(CONTINUED ON REVERSE SIDE)

- B. MINIMUM \$15.00 plus \$1.74 for each kW of the highest kW established during the 12 months ending with the current month, or the minimum kW specified in the agreement for service, whichever is greater. However, such monthly minimum charge shall not be more than an amount sufficient to make the total charges for such 12 months equal to \$20.92 for each of such highest kW plus \$180.00, but in no instance more than the monthly minimum amount as computed above.

ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price or revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

CONTRACT PERIOD

Three (3) years, or longer, at Company's option for initial period when construction is required. One (1) year, or longer, at Company's option when construction is not required.

TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director, Pricing Regulation and Planning  
 Original Effective Date: November 1, 1986

A.C.C. No. 5390  
 Cancelling A.C.C. No. 5346  
 Tariff or Schedule No. E-221-8T  
 Revision No. 11  
 Effective: October 1, 1999

WATER PUMPING SERVICE  
TIME OF USE

AVAILABILITY

In all territory served by Company, at all points where facilities of adequate capacity and the required phase and suitable voltage are adjacent to the premises served.

APPLICATION

To electric service required for irrigation pumping, and to electric service required by water utilities for pumping potable water to serve the citizens of a city, town, or unincorporated community. Service must be supplied at one point of delivery and measured through one meter.

Not applicable to breakdown, standby, supplementary, or resale service.

Rate selection is subject to Sections numbered 3.2 and 3.3 of Schedule No. 1 of the Company's "Terms and Conditions," except that this rate schedule would become effective from the next meter reading after Company has installed the required timed kilowatt-hour meter.

TYPE OF SERVICE

Single or three phase, 60 Hertz, at one standard voltage (12,500, 2,400, 480, or 240 volts as may be selected by customer subject to availability at the premises). Measurement of service is at secondary voltage.

MONTHLY BILL RATE

The monthly bill shall be the greater of the amount computed under A. or B. below, including the applicable Adjustments.

A.	<u>RATE</u>		
		\$25.87	Basic Service Charge, plus
		4.09	per kW established during on-peak hours*
		2.46	per kW established during off-peak hours
		0.08264	per kWh measured during on-peak hours*
		0.04444	per kWh measured during off-peak hours

\*On-peak is a continuous 8 hour period between 9 a. m. and 10 p. m. as specified by the Company in the Electric Supply Agreement with the customer.

DETERMINATION OF KW

The average kW supplied during the 15-minute period of maximum use, for both on- and off-peak periods, during the month, as determined by readings of the Company's meter, or at the Company's option, by test.

B.	<u>MINIMUM</u>	\$25.87 plus \$2.46 for each kW of the highest kW established on or off peak during the 12 months ending with the current month or the contract kW, whichever is greater. However, such monthly minimum charge shall not be more than an amount sufficient to make the total charges for such 12 months equal to \$29.56 for each of such highest kW plus \$310.44, but in no instance more than the monthly minimum amount as computed above.	
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ADJUSTMENTS

Plus the applicable proportionate part of any taxes or governmental impositions which are or may in the future be assessed on the basis of gross revenues of the Company and/or the price of revenue from the electric energy or service sold and/or the volume of energy generated or purchased for sale and/or sold hereunder.

(CONTINUED ON REVERSE SIDE)

HOURS

Mountain Standard Time shall be used in the application of this rate schedule. The total time for the on-peak period is subject to a plus or minus 15-minute variation.

CONTRACT PERIOD

One (1) year, or longer, at Company's option.

TERMS & CONDITIONS

Subject to Company's Terms and Conditions for the Sale of Electric Service.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: October 25, 1981

A.C.C. No. 5391  
 Cancelling A.C.C. No. 5347  
 Tariff or Schedule No. EPR-2  
 Revision No. 7  
 Effective: October 1, 1999

PURCHASE RATES FOR QUALIFIED COGENERATION AND SMALL POWER PRODUCTION  
 FACILITIES UNDER 100 KW RECEIVING PARTIAL REQUIREMENTS OR INTERRUPTIBLE SERVICE

AVAILABILITY

In all territory served by Company.

APPLICATION

To all cogeneration and small power production facilities 100 kW or less where the facility's generator(s) and load are located at the same premise and that otherwise meet qualifying status pursuant to the Arizona Corporation Commission's Decision No. 52345 on cogeneration and small power production facilities. Applicable only to qualifying facilities (QFs) electing to configure their systems as to require only partial requirements or interruptible service from the Company in order to meet their electric requirements.

TYPE OF SERVICE

Electric sales to the Company must be single or three phase, 60 Hertz, at one standard voltage as may be selected by customer (subject to availability at the premises). The qualifying facility will have the option to sell energy to the Company at a voltage level different than that for purchases from the Company; however, the QF will be responsible for all incremental costs incurred to accommodate such an arrangement.

PAYMENT FOR PURCHASES FROM AND SALES TO THE CUSTOMER

Power sales and special services supplied by the Company to the Customer in order to meet its supplemental or interruptible electric requirements will be priced at the applicable retail rate or rates.

The Company will pay the Customer for any energy purchased as calculated on the standard purchase rate (see below).

MONTHLY PURCHASE RATE

Rate for pricing of energy, net of that for the customer's own use, that is delivered to the Company:

	Cents per kWh			
	Non-Firm Power		Firm Power	
	On-Peak <sup>1/</sup>	Off-Peak <sup>2/</sup>	On-Peak <sup>1/</sup>	Off-Peak <sup>2/</sup>
Summer Billing Cycles (June - October)	2.715	1.739	3.149	1.674
Winter Billing Cycles (November - May)	2.338	1.408	2.698	1.070

<sup>1/</sup> On-Peak Periods: 9 a.m. to 9 p.m., weekdays

<sup>2/</sup> Off-Peak Periods: All other hours

These rates are based on the Company's estimated avoided energy costs and will be updated annually to reflect changes in the Company's fuel costs.

(CONTINUED ON REVERSE SIDE)

SERVICE CHARGE

The monthly service charge shall be determined in accordance with the type of customer service characteristics as set forth below:

	<u>Monthly Charge</u>
Single Phase Service:	
0-200 amp service	\$ 7.34
Three Phase Service:	
0-200 amp service	\$ 8.87
201-400 amp service	\$18.31

CONTRACT PERIOD

As provided for in the Purchase Agreement.

DEFINITIONS

1. Partial Requirements Service - A QF's system configuration whereby the output from its electric generator(s) first go to supply its own electric requirements with any excess energy (over and above its own requirements at the time) then being sold to the Company. The Company supplies the Customer's supplemental electric requirements (those not met by the QF's own generation facilities). This also may be referred to as the "parallel mode" of operation.
2. Special Service(s) - The electric service(s) specified in this section that will be provided by the Company in addition to or in lieu of normal service(s).
  - Interruptible Power - Electric energy or capacity supplied by the Company subject to interruption by the Company under specified conditions and under agreed upon lead time requirements.
3. Non-Firm Power - Electric power which is supplied by the power producer at the producer's option, where no firm guarantee is provided, and the power can be interrupted by the power producer at any time.
4. Firm Power - Power available, upon demand, at all times (except for forced outages and scheduled maintenance) during the period covered by the Purchase Agreement from the Customer's facilities with an expected or demonstrated reliability which is greater than or equal to the average reliability of the Company's firm power sources.
5. Time Periods - Mountain Standard Time shall be used in the application of this rate schedule. Because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

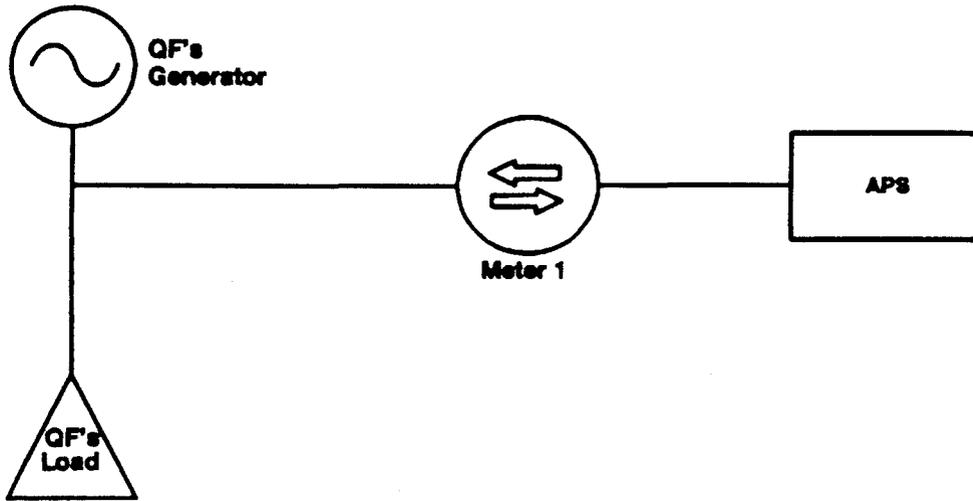
TERMS AND CONDITIONS

Subject to Company's Terms and Conditions for Energy Purchases from Qualified Cogeneration or Small Power Production Facilities, or as it may be amended or modified from time to time by any supplemental or special Terms and Conditions pursuant to Customer's Purchase Agreement with the Company.

Customer and Company will share in the cost of the bi-directional meter used to record sales to the Customer and purchases from the Customer. Company shall be responsible for all costs up to and equal to the installed cost of a residential time-of-use meter, and Customer shall be responsible for the difference between the installed cost of the bi-directional meter compared to a standard residential time-of-use meter. Customer shall have the option to pay the incremental metering costs initially or in monthly installments over a five year time period.

(CONTINUED ON PAGE 3)

METERING CONFIGURATION



ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: February 4, 1993

A.C.C. No. 5392  
 Cancelling A.C.C. No. 5348  
 Tariff or Schedule No. EPR-3  
 Revision No. 4  
 Effective: October 1, 1999

PURCHASE RATES FOR QUALIFIED SOLAR/PHOTOVOLTAIC SMALL POWER PRODUCTION FACILITIES 10 KW OR LESS THAT RECEIVE FULL OR PARTIAL REQUIREMENTS ELECTRIC SERVICE

AVAILABILITY

In all territory served by Company.

APPLICATION

To all small power production facilities with a nameplate rating of 10 kW or less utilizing solar/photovoltaic technology where the customer's generator(s) and load are located at the same premise and meet qualifying status pursuant to the Arizona Corporation Commission's Decision No. 52345 on cogeneration and small power production facilities. Applicable only to qualifying facilities (QF's) either: a) operating in the simultaneous buy/sell mode (whereby all the QF's generation output is fed directly into the Company's system and all of the QF's electric requirements are met by sales from the Company) or; b) QF's electing to configure their systems as to require only partial requirements or interruptible service from the company in order to meet their electric requirements.

Applicable only to those customers being served on the Company's Rate Schedule EPR-3 prior to July 1, 1996.

TYPE OF SERVICE

Electric sales to the Company must be single phase, 60 Hertz, at one standard voltage as may be selected by customer (subject to availability at the premises). The qualifying facility will have the option to sell energy to the Company at a voltage level different than that for purchases from the Company; however, the Customer will be responsible for all incremental costs incurred by APS to accommodate such an arrangement.

BILLING OPTIONS FOR PURCHASES FROM AND SALES TO THE CUSTOMER

The Customer will have the option of choosing either of the following two methods for determining the bill for purchases and sales:

## A. Net Bill Method:

The energy (kWh's) sold to the Company shall be subtracted from the energy purchased from the Company. If the difference is positive, the net energy received from the Company will be priced at the applicable standard retail rate under which the Customer would otherwise purchase its full requirements service. If the difference is negative, the net energy delivered to the Company will be priced at the Monthly Purchase Rate shown below.

## B. Separate Bill Method:

All sales and purchases shall each be treated separately with sales to the Customer billed on the applicable standard retail rate for full requirements service, and purchases of energy from the Customer's QF priced at the Monthly Purchase Rate shown below.

MONTHLY PURCHASE RATE

Rate for pricing of energy, net of that for the customer's own use, that is delivered to the Company under either Billing Option A or Option B:

	Cents per kWh			
	Non-Firm Power		Firm Power	
	On-Peak <sup>1/</sup>	Off-Peak <sup>2/</sup>	On-Peak <sup>1/</sup>	Off-Peak <sup>2/</sup>
Summer Billing Cycles (June - October)	2.715	1.739	3.149	1.674
Winter Billing Cycles (November - May)	2.338	1.408	2.698	1.070

<sup>1/</sup> On-Peak Periods: 9 a.m. to 9 p.m., weekdays

<sup>2/</sup> Off-Peak Periods: All other hours

These rates are based on the Company's estimated avoided energy costs and will be updated annually to reflect changes in the Company's fuel costs.

(CONTINUED ON REVERSE SIDE)

## METERING

See pages 3 and 4 Metering Configurations & Options outlining the metering options available to solar/photovoltaic QF Customers electing the simultaneous buy/sell mode or the parallel mode of operation.

## CONTRACT PERIOD

As provided for in the Purchase Agreement.

## DEFINITIONS

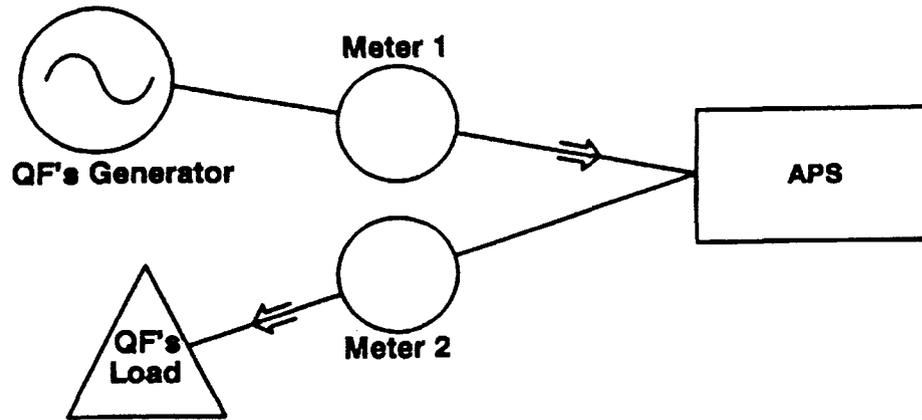
1. Full Requirements Service - Any instance whereby the Company provides all the electric requirements of a Customer.
2. Partial Requirements Service - A QF's system configuration whereby the output from its electric generator(s) first go to supply its own electric requirements with any excess energy (over and above its own requirements at the time) then being sold to the Company. The Company supplies the Customer's supplemental electric requirements (those not met by the QF's own-generation facilities). This also may be referred to as the "parallel mode" of operation.
3. Special Service(s) - The electric service(s) specified in this section that will be provided by the Company in addition to or in lieu of normal service(s).
  - Interruptible Power - Electric energy or capacity supplied by the Company subject to interruption by the Company under specified conditions and under agreed upon lead time requirements.
4. Non-Firm Power - Electric power which is supplied by the power producer at the producer's option, where no firm guarantee is provided, and the power can be interrupted by the power producer at any time.
5. Firm Power - Power available, upon demand, at all times (except for forced outages and scheduled maintenance) during the period covered by the Purchase Agreement from the Customer's facilities with an expected or demonstrated reliability which is greater than or equal to the average reliability of the Company's firm power sources.
6. Net Energy - The total kilowatthours (kWh's) sold to the Customer by the Company less the total kWh's purchased by the Company from the Customer's QF. "Net energy" applies only to those QF's operating in the simultaneous buy/sell mode.
7. Time Periods - Mountain Standard Time shall be used in the application of this rate schedule. Because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

## TERMS AND CONDITIONS

Subject to Company's Schedule No. 2, "Terms and Conditions for Energy Purchases from Qualified Cogeneration or Small Power Production Facilities", or as it may be amended or modified from time to time by any supplemental or special Terms and Conditions pursuant to Customer's Purchase Agreement with the Company.

(CONTINUED ON PAGE 3)

METERING CONFIGURATIONS & OPTIONS  
FOR SOLAR/PHOTOVOLTAIC QF APPLICATIONS 10 KW OR LESS  
(Simultaneous Buy/Sell Mode)



METERING OPTIONS

Qualifying Facilities Utilizing Solar/Photovoltaic Technology 10 kW or less:

f on an Energy Only (kWh) Type Rate\*  
f on a Time-of-Use Type Rate\*

Type of Meter  
(Meter 1)

Type of Meter  
(Meter 2)

TOU<sup>a</sup>  
TOU<sup>b</sup>

kWh<sup>c</sup>  
TOU<sup>d</sup>

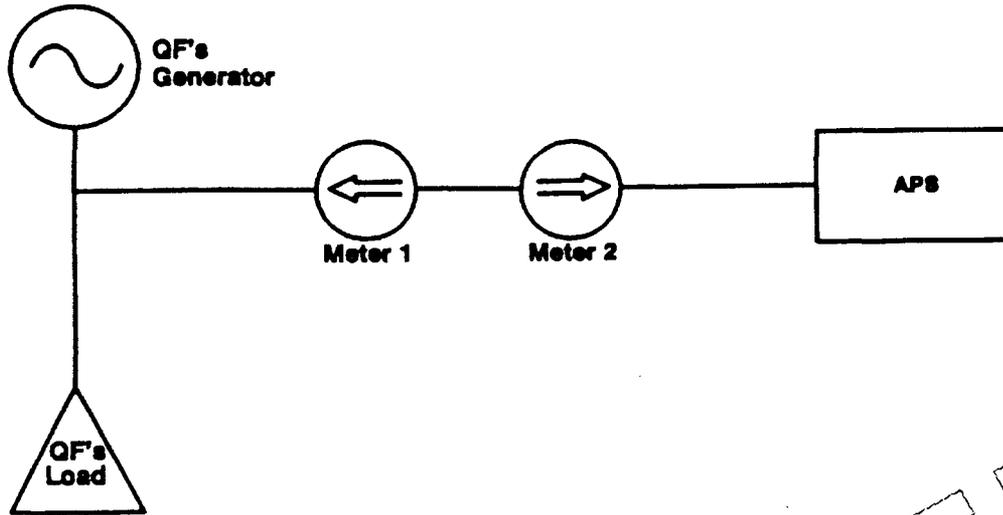
\* Refers to the Customer's otherwise applicable standard retail rate for firm purchases from the Company.

- a/ A Time-of-use (TOU) meter that registers kWh's only during peak and off-peak periods as specified in the "Monthly Purchase Rate" section of this rate schedule.
- b/ A non-timed without meter that registers kWh's only.
- c/ A TOU meter that registers kWh's only during peak and off-peak periods concurrent with those periods used in measuring energy for billing purposes by Meter 2.
- d/ As per applicable rate schedule.

NOTE: APS shall be responsible for providing all required meters for the Simultaneous Buy/Sell Mode under the EPR-3 Metering Configuration.

(CONTINUED ON REVERSE SIDE)

METERING CONFIGURATIONS & OPTIONS  
FOR SOLAR/PHOTOVOLTAIC QF APPLICATIONS 10 KW OR LESS  
(Parallel Mode of Operation)



METERING OPTIONS

Qualifying Facilities Utilizing Solar/Photovoltaic Technology 10 kW or less:

If on an Energy Only (kWh) Type Rate\*  
If on a Time-of-Use Type Rate\*

Type of Meter  
(Meter 1)

Type of Meter  
(Meter 2)

kWh<sup>a/</sup>  
TOU<sup>a/</sup>

TOU<sup>b/</sup>  
TOU<sup>c/</sup>

\*Refers to the Customer's otherwise applicable standard retail rate for firm purchases from the Company.

- a/ A non-timed watt-hour meter that registers kWh's only.
- b/ A Time-of-use (TOU) meter that registers kWh's only during peak and off-peak periods as specified in the "Monthly Purchase Rate" section of this rate schedule.
- c/ As per applicable rate schedule.

NOTE: APS shall be responsible for providing all required meters for the parallel mode of operation under the EPR-3 Metering Configuration.

ELECTRIC RATES

ARIZONA PUBLIC SERVICE COMPANY  
 Phoenix, Arizona  
 Filed by: Alan Propper  
 Title: Director of Pricing and Regulation  
 Original Effective Date: July 1, 1996

A.C.C. No. 5393  
 Cancelling A.C.C.No. 5349  
 Tariff or Schedule No. EPR-4  
 Revision No. 3  
 Effective: October 1, 1999

PURCHASE RATES FOR QUALIFIED SMALL POWER PRODUCTION FACILITIES 10 KW OR LESS  
 UTILIZING RENEWABLE RESOURCE TECHNOLOGIES THAT RECEIVE PARTIAL REQUIREMENTS ELECTRIC SERVICE

AVAILABILITY

In all territory served by Company.

APPLICATION

To all small power production facilities with a nameplate rating of 10 kW or less utilizing renewable resource technologies where the customer's generator(s) and load are located at the same premise and meet qualifying status pursuant to the Arizona Corporation Commission's Decision No. 52345 on cogeneration and small power production facilities. Applicable only to qualifying facilities (QF's) electing to configure their systems as to require only partial requirements or interruptible service from the Company in order to meet their electric requirements.

TYPE OF SERVICE

Electric sales to the Company must be single phase, 60 Hertz, at one standard voltage as may be selected by customer (subject to availability at the premises). The qualifying facility will have the option to sell energy to the Company at a voltage level different than that for purchases from the Company; however, the Customer will be responsible for all incremental costs incurred by APS to accommodate such an arrangement.

PAYMENT FOR PURCHASES FROM AND SALES TO THE CUSTOMER

Power sales and special services supplied by the Company to the Customer in order to meet its supplemental or interruptible electric requirements will be priced at the applicable retail rate or rates.

The Company will pay the Customer for any energy purchased as calculated on the standard purchase rate (see below).

MONTHLY PURCHASE RATE

Rate for pricing of energy, net of that for the customer's own use, that is delivered to the Company:

	Cents per kWh			
	Non-Firm Power		Firm Power	
	On-Peak <sup>1/</sup>	Off-Peak <sup>2/</sup>	On-Peak <sup>1/</sup>	Off-Peak <sup>2/</sup>
Summer Billing Cycles (June - October)	2.715	1.739	3.149	1.674
Winter Billing Cycles (November - May)	2.338	1.408	2.698	1.070

<sup>1/</sup> On-Peak Periods: 9 a.m. to 9 p.m., weekdays

<sup>2/</sup> Off-Peak Periods: All other hours

These rates are based on the Company's estimated avoided energy costs and will be updated annually to reflect changes in the Company's fuel costs.

CONTRACT PERIOD

As provided for in the Purchase Agreement.

(CONTINUED ON REVERSE SIDE)

#### DEFINITIONS

1. Partial Requirements Service - A QF's system configuration whereby the output from its electric generator(s) first go to supply its own electric requirements with any excess energy (over and above its own requirements at the time) then being sold to the Company. The Company supplies the Customer's supplemental electric requirements (those not met by the QF's own-generation facilities). This also may be referred to as the "parallel mode" of operation.
2. Special Service(s) - The electric service(s) specified in this section that will be provided by the Company in addition to or in lieu of normal service(s).
  - Interruptible Power - Electric energy or capacity supplied by the Company subject to interruption by the Company under specified conditions and under agreed upon lead time requirements (Non-Firm Power).
3. Non-Firm Power - Electric power which is supplied by the power producer at the producer's option, where no firm guarantee is provided, and the power can be interrupted by the power producer at any time.
4. Firm Power - Power available, upon demand, at all times (except for forced outages and scheduled maintenance) during the period covered by the Purchase Agreement from the Customer's facilities with an expected or demonstrated reliability which is greater than or equal to the average reliability of the Company's firm power sources.
5. Time Periods - Mountain Standard Time shall be used in the application of this rate schedule. Because of potential differences of the timing devices, there may be a variation of up to 15 minutes in timing for the pricing periods.

#### TERMS AND CONDITIONS

Subject to Company's Schedule No. 2, "Terms and Conditions for Energy Purchases from Qualified Cogeneration or Small Power Production Facilities", or as it may be amended or modified from time to time by any supplemental or special Terms and Conditions pursuant to Customer's Purchase Agreement with the Company.

#### METERING CONFIGURATION

